

In Class Exercise – IR Code

Thu, Mar 24, 2016

1. Translate the following code to 3-address code. Draw the control-flow graph for the resulting program.

```
y = x + 3;  
z = y + w;  
w = 42;  
while (z < a) {  
    z = z + y;  
    a = a - 1;  
    x = x + 1;  
    if (z > 5) {  
        y = x + 3;  
    }  
}
```

In Class Exercise – IR Code

Thu, Mar 24, 2016

1. Translate the following code to 3-address code. Draw the control-flow graph for the resulting program.

```
y = x + 3;
z = y + w;
w = 42;
while (z < a) {
    z = z + y;
    a = a - 1;
    x = x + 1;
    if (z > 5) {
        y = x + 3;
    }
}
```

In Class Exercise – IR Code

Thu, Mar 24, 2016

1. Translate the following code to 3-address code. Draw the control-flow graph for the resulting program.

```
y = x + 3;
z = y + w;
w = 42;
while (z < a) {
    z = z + y;
    a = a - 1;
    x = x + 1;
    if (z > 5) {
        y = x + 3;
    }
}
```

In Class Exercise – IR Code

Thu, Mar 24, 2016

1. Translate the following code to 3-address code. Draw the control-flow graph for the resulting program.

```
y = x + 3;
z = y + w;
w = 42;
while (z < a) {
    z = z + y;
    a = a - 1;
    x = x + 1;
    if (z > 5) {
        y = x + 3;
    }
}
```

In Class Exercise – IR Code

Thu, Mar 24, 2016

1. Translate the following code to 3-address code. Draw the control-flow graph for the resulting program.

```
y = x + 3;
z = y + w;
w = 42;
while (z < a) {
    z = z + y;
    a = a - 1;
    x = x + 1;
    if (z > 5) {
        y = x + 3;
    }
}
```

In Class Exercise – IR Code

Thu, Mar 24, 2016

1. Translate the following code to 3-address code. Draw the control-flow graph for the resulting program.

```
y = x + 3;
z = y + w;
w = 42;
while (z < a) {
    z = z + y;
    a = a - 1;
    x = x + 1;
    if (z > 5) {
        y = x + 3;
    }
}
```

In Class Exercise – IR Code

Thu, Mar 24, 2016

1. Translate the following code to 3-address code. Draw the control-flow graph for the resulting program.

```
y = x + 3;
z = y + w;
w = 42;
while (z < a) {
    z = z + y;
    a = a - 1;
    x = x + 1;
    if (z > 5) {
        y = x + 3;
    }
}
```

In Class Exercise – IR Code

Thu, Mar 24, 2016

1. Translate the following code to 3-address code. Draw the control-flow graph for the resulting program.

```
y = x + 3;
z = y + w;
w = 42;
while (z < a) {
    z = z + y;
    a = a - 1;
    x = x + 1;
    if (z > 5) {
        y = x + 3;
    }
}
```


In Class Exercise – IR Code

Thu, Mar 24, 2016

1. Translate the following code to 3-address code. Draw the control-flow graph for the resulting program.

```
y = x + 3;
z = y + w;
w = 42;
while (z < a) {
    z = z + y;
    a = a - 1;
    x = x + 1;
    if (z > 5) {
        y = x + 3;
    }
}
```

In Class Exercise – IR Code

Thu, Mar 24, 2016

1. Translate the following code to 3-address code. Draw the control-flow graph for the resulting program.

```
y = x + 3;
z = y + w;
w = 42;
while (z < a) {
    z = z + y;
    a = a - 1;
    x = x + 1;
    if (z > 5) {
        y = x + 3;
    }
}
```

In Class Exercise – IR Code

Thu, Mar 24, 2016

1. Translate the following code to 3-address code. Draw the control-flow graph for the resulting program.

```
y = x + 3;
z = y + w;
w = 42;
while (z < a) {
    z = z + y;
    a = a - 1;
    x = x + 1;
    if (z > 5) {
        y = x + 3;
    }
}
```

In Class Exercise – IR Code

Thu, Mar 24, 2016

1. Translate the following code to 3-address code. Draw the control-flow graph for the resulting program.

```
y = x + 3;
z = y + w;
w = 42;
while (z < a) {
    z = z + y;
    a = a - 1;
    x = x + 1;
    if (z > 5) {
        y = x + 3;
    }
}
```

In Class Exercise – IR Code

Thu, Mar 24, 2016

1. Translate the following code to 3-address code. Draw the control-flow graph for the resulting program.

```
y = x + 3;
z = y + w;
w = 42;
while (z < a) {
    z = z + y;
    a = a - 1;
    x = x + 1;
    if (z > 5) {
        y = x + 3;
    }
}
```

In Class Exercise – IR Code

Thu, Mar 24, 2016

1. Translate the following code to 3-address code. Draw the control-flow graph for the resulting program.

```
y = x + 3;
z = y + w;
w = 42;
while (z < a) {
    z = z + y;
    a = a - 1;
    x = x + 1;
    if (z > 5) {
        y = x + 3;
    }
}
```

In Class Exercise – IR Code

Thu, Mar 24, 2016

1. Translate the following code to 3-address code. Draw the control-flow graph for the resulting program.

```
y = x + 3;  
z = y + w;  
w = 42;  
while (z < a) {  
    z = z + y;  
    a = a - 1;  
    x = x + 1;  
    if (z > 5) {  
        y = x + 3;  
    }  
}
```

In Class Exercise – IR Code

Thu, Mar 24, 2016

1. Translate the following code to 3-address code. Draw the control-flow graph for the resulting program.

```
y = x + 3;
z = y + w;
w = 42;
while (z < a) {
    z = z + y;
    a = a - 1;
    x = x + 1;
    if (z > 5) {
        y = x + 3;
    }
}
```


In Class Exercise – IR Code

Thu, Mar 24, 2016

1. Translate the following code to 3-address code. Draw the control-flow graph for the resulting program.

```
y = x + 3;
z = y + w;
w = 42;
while (z < a) {
    z = z + y;
    a = a - 1;
    x = x + 1;
    if (z > 5) {
        y = x + 3;
    }
}
```

In Class Exercise – IR Code

Thu, Mar 24, 2016

1. Translate the following code to 3-address code. Draw the control-flow graph for the resulting program.

```
y = x + 3;
z = y + w;
w = 42;
while (z < a) {
    z = z + y;
    a = a - 1;
    x = x + 1;
    if (z > 5) {
        y = x + 3;
    }
}
```

In Class Exercise – IR Code

Thu, Mar 24, 2016

1. Translate the following code to 3-address code. Draw the control-flow graph for the resulting program.

```
y = x + 3;
z = y + w;
w = 42;
while (z < a) {
    z = z + y;
    a = a - 1;
    x = x + 1;
    if (z > 5) {
        y = x + 3;
    }
}
```

In Class Exercise – IR Code

Thu, Mar 24, 2016

1. Translate the following code to 3-address code. Draw the control-flow graph for the resulting program.

```
y = x + 3;
z = y + w;
w = 42;
while (z < a) {
    z = z + y;
    a = a - 1;
    x = x + 1;
    if (z > 5) {
        y = x + 3;
    }
}
```

In Class Exercise – IR Code

Thu, Mar 24, 2016

1. Translate the following code to 3-address code. Draw the control-flow graph for the resulting program.

```
y = x + 3;
z = y + w;
w = 42;
while (z < a) {
    z = z + y;
    a = a - 1;
    x = x + 1;
    if (z > 5) {
        y = x + 3;
    }
}
```

In Class Exercise – IR Code

Thu, Mar 24, 2016

1. Translate the following code to 3-address code. Draw the control-flow graph for the resulting program.

```
y = x + 3;  
z = y + w;  
w = 42;  
while (z < a) {  
    z = z + y;  
    a = a - 1;  
    x = x + 1;  
    if (z > 5) {  
        y = x + 3;  
    }  
}
```

In Class Exercise – IR Code

Thu, Mar 24, 2016

1. Translate the following code to 3-address code. Draw the control-flow graph for the resulting program.

```
y = x + 3;
z = y + w;
w = 42;
while (z < a) {
    z = z + y;
    a = a - 1;
    x = x + 1;
    if (z > 5) {
        y = x + 3;
    }
}
```

In Class Exercise – IR Code

Thu, Mar 24, 2016

1. Translate the following code to 3-address code. Draw the control-flow graph for the resulting program.

```
y = x + 3;
z = y + w;
w = 42;
while (z < a) {
    z = z + y;
    a = a - 1;
    x = x + 1;
    if (z > 5) {
        y = x + 3;
    }
}
```


In Class Exercise – IR Code

Thu, Mar 24, 2016

1. Translate the following code to 3-address code. Draw the control-flow graph for the resulting program.

```
y = x + 3;
z = y + w;
w = 42;
while (z < a) {
    z = z + y;
    a = a - 1;
    x = x + 1;
    if (z > 5) {
        y = x + 3;
    }
}
```

In Class Exercise – IR Code

Thu, Mar 24, 2016

1. Translate the following code to 3-address code. Draw the control-flow graph for the resulting program.

```
y = x + 3;
z = y + w;
w = 42;
while (z < a) {
    z = z + y;
    a = a - 1;
    x = x + 1;
    if (z > 5) {
        y = x + 3;
    }
}
```

In Class Exercise – IR Code

Thu, Mar 24, 2016

1. Translate the following code to 3-address code. Draw the control-flow graph for the resulting program.

```
y = x + 3;
z = y + w;
w = 42;
while (z < a) {
    z = z + y;
    a = a - 1;
    x = x + 1;
    if (z > 5) {
        y = x + 3;
    }
}
```

In Class Exercise – IR Code

Thu, Mar 24, 2016

1. Translate the following code to 3-address code. Draw the control-flow graph for the resulting program.

```
y = x + 3;
z = y + w;
w = 42;
while (z < a) {
    z = z + y;
    a = a - 1;
    x = x + 1;
    if (z > 5) {
        y = x + 3;
    }
}
```

In Class Exercise – IR Code

Thu, Mar 24, 2016

1. Translate the following code to 3-address code. Draw the control-flow graph for the resulting program.

```
y = x + 3;
z = y + w;
w = 42;
while (z < a) {
    z = z + y;
    a = a - 1;
    x = x + 1;
    if (z > 5) {
        y = x + 3;
    }
}
```

In Class Exercise – IR Code

Thu, Mar 24, 2016

1. Translate the following code to 3-address code. Draw the control-flow graph for the resulting program.

```
y = x + 3;
z = y + w;
w = 42;
while (z < a) {
    z = z + y;
    a = a - 1;
    x = x + 1;
    if (z > 5) {
        y = x + 3;
    }
}
```

In Class Exercise – IR Code

Thu, Mar 24, 2016

1. Translate the following code to 3-address code. Draw the control-flow graph for the resulting program.

```
y = x + 3;
z = y + w;
w = 42;
while (z < a) {
    z = z + y;
    a = a - 1;
    x = x + 1;
    if (z > 5) {
        y = x + 3;
    }
}
```

In Class Exercise – IR Code

Thu, Mar 24, 2016

1. Translate the following code to 3-address code. Draw the control-flow graph for the resulting program.

```
y = x + 3;
z = y + w;
w = 42;
while (z < a) {
    z = z + y;
    a = a - 1;
    x = x + 1;
    if (z > 5) {
        y = x + 3;
    }
}
```


In Class Exercise – IR Code

Thu, Mar 24, 2016

1. Translate the following code to 3-address code. Draw the control-flow graph for the resulting program.

```
y = x + 3;
z = y + w;
w = 42;
while (z < a) {
    z = z + y;
    a = a - 1;
    x = x + 1;
    if (z > 5) {
        y = x + 3;
    }
}
```

In Class Exercise – IR Code

Thu, Mar 24, 2016

1. Translate the following code to 3-address code. Draw the control-flow graph for the resulting program.

```
y = x + 3;  
z = y + w;  
w = 42;  
while (z < a) {  
    z = z + y;  
    a = a - 1;  
    x = x + 1;  
    if (z > 5) {  
        y = x + 3;  
    }  
}
```

In Class Exercise – IR Code

Thu, Mar 24, 2016

1. Translate the following code to 3-address code. Draw the control-flow graph for the resulting program.

```
y = x + 3;
z = y + w;
w = 42;
while (z < a) {
    z = z + y;
    a = a - 1;
    x = x + 1;
    if (z > 5) {
        y = x + 3;
    }
}
```

In Class Exercise – IR Code

Thu, Mar 24, 2016

1. Translate the following code to 3-address code. Draw the control-flow graph for the resulting program.

```
y = x + 3;  
z = y + w;  
w = 42;  
while (z < a) {  
    z = z + y;  
    a = a - 1;  
    x = x + 1;  
    if (z > 5) {  
        y = x + 3;  
    }  
}
```

In Class Exercise – IR Code

Thu, Mar 24, 2016

1. Translate the following code to 3-address code. Draw the control-flow graph for the resulting program.

```
y = x + 3;
z = y + w;
w = 42;
while (z < a) {
    z = z + y;
    a = a - 1;
    x = x + 1;
    if (z > 5) {
        y = x + 3;
    }
}
```

In Class Exercise – IR Code

Thu, Mar 24, 2016

1. Translate the following code to 3-address code. Draw the control-flow graph for the resulting program.

```
y = x + 3;
z = y + w;
w = 42;
while (z < a) {
    z = z + y;
    a = a - 1;
    x = x + 1;
    if (z > 5) {
        y = x + 3;
    }
}
```

In Class Exercise – IR Code

Thu, Mar 24, 2016

1. Translate the following code to 3-address code. Draw the control-flow graph for the resulting program.

```
y = x + 3;
z = y + w;
w = 42;
while (z < a) {
    z = z + y;
    a = a - 1;
    x = x + 1;
    if (z > 5) {
        y = x + 3;
    }
}
```

In Class Exercise – IR Code

Thu, Mar 24, 2016

1. Translate the following code to 3-address code. Draw the control-flow graph for the resulting program.

```
y = x + 3;
z = y + w;
w = 42;
while (z < a) {
    z = z + y;
    a = a - 1;
    x = x + 1;
    if (z > 5) {
        y = x + 3;
    }
}
```


In Class Exercise – IR Code

Thu, Mar 24, 2016

1. Translate the following code to 3-address code. Draw the control-flow graph for the resulting program.

```
y = x + 3;
z = y + w;
w = 42;
while (z < a) {
    z = z + y;
    a = a - 1;
    x = x + 1;
    if (z > 5) {
        y = x + 3;
    }
}
```

In Class Exercise – IR Code

Thu, Mar 24, 2016

1. Translate the following code to 3-address code. Draw the control-flow graph for the resulting program.

```
y = x + 3;  
z = y + w;  
w = 42;  
while (z < a) {  
    z = z + y;  
    a = a - 1;  
    x = x + 1;  
    if (z > 5) {  
        y = x + 3;  
    }  
}
```

In Class Exercise – IR Code

Thu, Mar 24, 2016

1. Translate the following code to 3-address code. Draw the control-flow graph for the resulting program.

```
y = x + 3;
z = y + w;
w = 42;
while (z < a) {
    z = z + y;
    a = a - 1;
    x = x + 1;
    if (z > 5) {
        y = x + 3;
    }
}
```

In Class Exercise – IR Code

Thu, Mar 24, 2016

1. Translate the following code to 3-address code. Draw the control-flow graph for the resulting program.

```
y = x + 3;
z = y + w;
w = 42;
while (z < a) {
    z = z + y;
    a = a - 1;
    x = x + 1;
    if (z > 5) {
        y = x + 3;
    }
}
```

In Class Exercise – IR Code

Thu, Mar 24, 2016

1. Translate the following code to 3-address code. Draw the control-flow graph for the resulting program.

```
y = x + 3;
z = y + w;
w = 42;
while (z < a) {
    z = z + y;
    a = a - 1;
    x = x + 1;
    if (z > 5) {
        y = x + 3;
    }
}
```

In Class Exercise – IR Code

Thu, Mar 24, 2016

1. Translate the following code to 3-address code. Draw the control-flow graph for the resulting program.

```
y = x + 3;  
z = y + w;  
w = 42;  
while (z < a) {  
    z = z + y;  
    a = a - 1;  
    x = x + 1;  
    if (z > 5) {  
        y = x + 3;  
    }  
}
```