



CMSC 131

Fall 2018

Ternary Operator

What are some unary operators?

What are some binary operators?

There is just one ternary operator:

$X ? Y : Z$

X must be a boolean expression

Y and Z must have similar types

What does this operator do?

Examples:

Switch Statements

Two ways to do the same thing:

```
if (x == 3) {  
    A  
}  
else if (x == 40) {  
    B  
}  
else if (x == -5) {  
    C  
}  
else {  
    D  
}
```

```
switch(x) {  
case 3:  
    A  
    break;  
case 40:  
    B  
    break;  
case -5:  
    C  
    break;  
default:  
    D  
}
```

Switch Statements (Details)

- Default is optional
- Variable at the top must be one of these types:
int, short, byte, char, String
- Cases must be *literals* ONLY (not variables, not more complex expressions)

Example: SimpleSwitch

- What happens if we take out “default”?
(This distinguishes switch statements from if else-if else-if chains)

Examples: BetterSwitch, AgeCalculator