

# CMSC 131

Fall 2018

# Announcements

- Project #1 (Orioles Baseball) is due on Sunday
- Clarification about 80 character line-length limit
- Do the study questions

# Repetition

Why do we need this?

Two basic techniques:

- Loops (starting today)
- Recursion (later)

# While loops

```
while(<boolean condition>) {  
    <put statements here>  
}
```

Example: SimpleWhile.java, BaseConverter.java

# do-while Loops

```
do {  
    <put statements here>  
} while(<boolean condition>);
```

Example: `SimpleDoWhile.java`, `AnotherDoWhile.java`

# For Loops

One common example:

```
int i = 0;  
while (i < 1000) {  
    <do something>  
    i = i + 1;  
}
```

```
for (int i = 0; i < 1000; i = i + 1) {  
    <do something>  
}
```

Examples: `SimpleForLoops.java`, `FastArithmetic.java`