

Module 1 - Lecture 5

Command Line Programs



Review

- Arrays
- Scope
- Loops
- Unary operators and shortcuts



Git cont...

- How can I add individual files?



Other Loops

```
while (... condition ...)  
{  
    // runs while condition is true  
}
```

```
do  
{  
    // runs at least once  
    // then while condition is true  
} while (... condition ...);
```



That's a lot of ifs!

```
String name = ...;  
if (name == "Billie") {  
    // code here  
}  
else if (name == "Alex") {  
    // code here  
}  
else if (name == "Skylar") {  
    // code here  
}  
else if (name == "Avery") {  
    // code here  
}  
else {  
    // code here  
}
```



Use a switch case statement!

```
String name = ...;  
switch (name) {  
    case "Billie":  
        // code here  
        break;  
    case "Alex":  
        // code here  
        break;  
    case "Skylar":  
        // code here  
        break;  
    case "Avery":  
        // code here  
        break;  
    default:  
        // equivalent to else  
}  
}
```



Command Line Programs

- Reading in data
- Writing out data
- Parsing data



Let's Code!

More on Strings

- How to split a String
- `==` vs. `equals()`



Binary

- What is it mean for a number to be represented in a different base?
- How to convert from decimal to binary and vice-versa.
- What about other bases?



Pair exercises!

- Challenge problem: Decimal to Binary
- TPS Reports
 - Tech Skill
 - Participation
 - Social



Reading

- Module 1
 - Introduction to Objects



QUESTIONS?

