Selection Statements

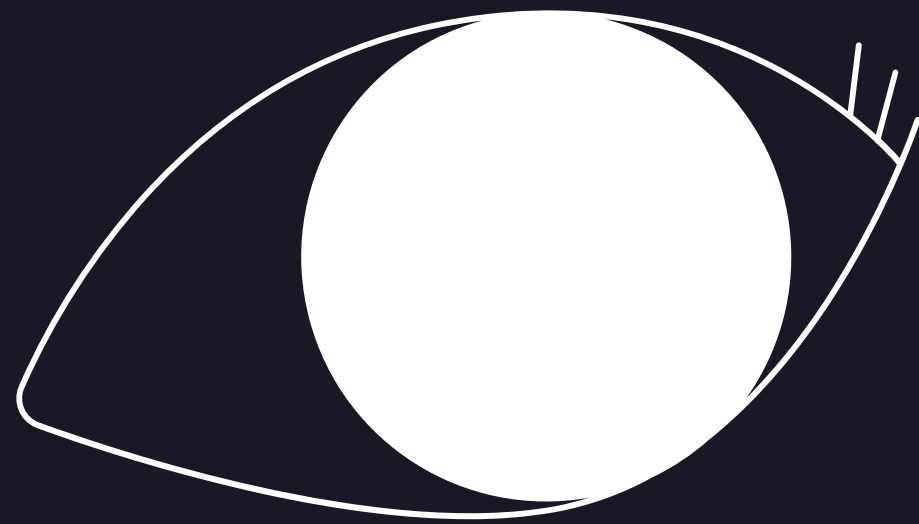Java Types and Arithmetic Programs

REVIEW OF LECTURES/TODAY'S AGENDA

Boolean Operators:
- And
- Or
- Not
- Equals
- XOR(not discussed)

If, else if, else
Nested selections.

Switch statements

LETS CODE

This program gets the number of patients currently hospitalized with COVID-19. You don't need to worry about that part.
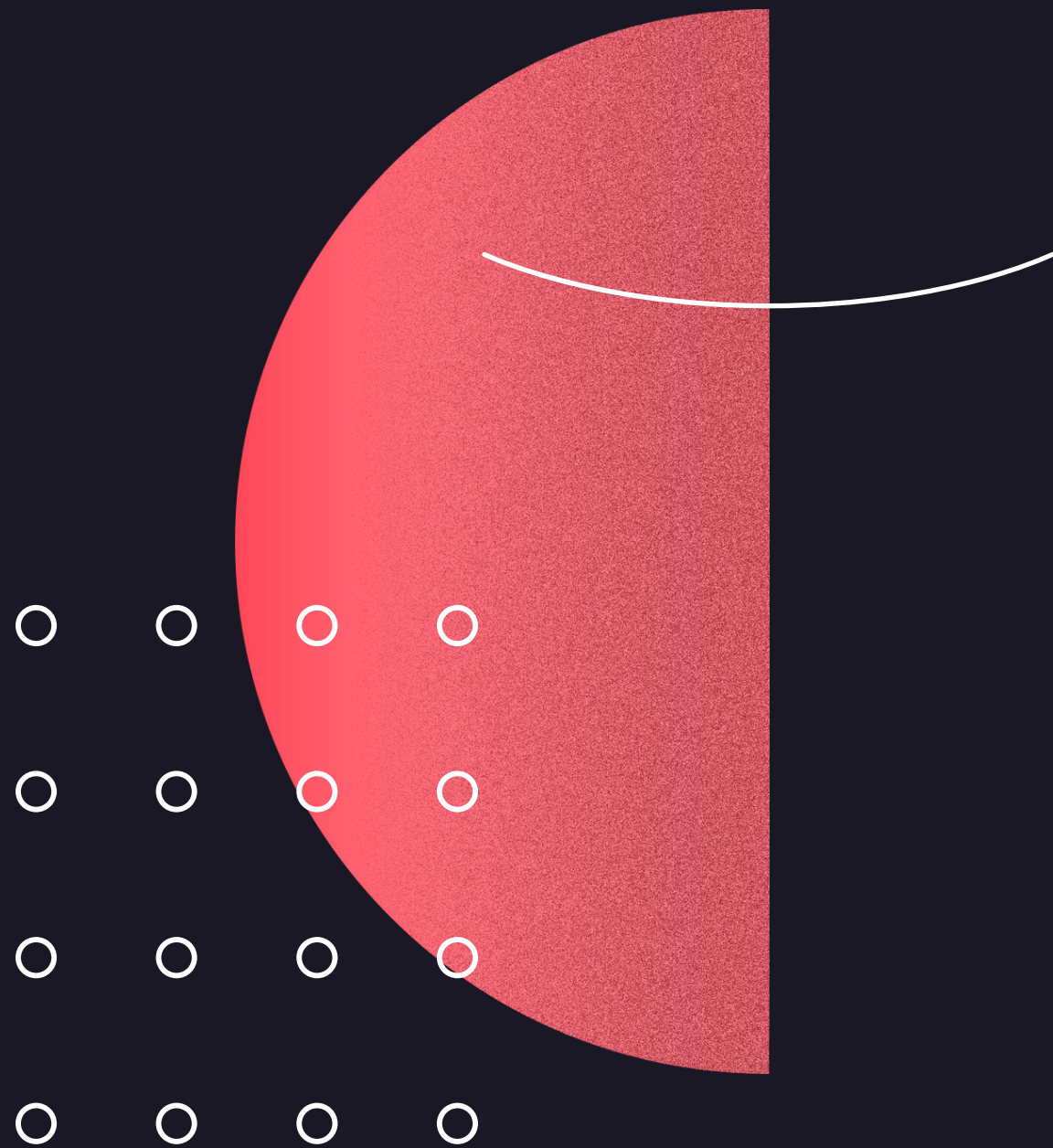We will use an if statement to return a class encoding based on several cases. Then use a switch case to print information to the user.

```java
int index = rawData.indexOf("\"hospitalized\":{\"currently\":{\"value\":");
String s2 = rawData.substring(index);
System.out.println(s2);
int index2 = s2.indexOf("value");
int val = Integer.valueOf(s2.substring(index2 + 7,index2 + 13));
if(val < 100_000){
    return 0;
}else if( val < 150_000){
    return 1;
}else{
    return 2;
}
```

```java
int val = sp.getHospitalized();
switch(val){
    case 0: System.out.println("Less than 100,000 cases");break;
    case 1: System.out.println("Greater than 100,000 cases");break;
    case 2: System.out.println("Greater than 150,00 cases");
}
```

Now you code! Worksheet of problems on GitHub.

github.com/josephclark293/cis230pass