Complex Boolean data that helps the program make decisions.

1. What are the different loops Java provides us with?

Java Loops include For, While and Do

2. What is the syntax of one of the loops in your above answer? How and when should you use this loop? Give an example.

An example of a For loop would be as follows:

```java
for (int i = 0; i < 10; i++) {
    System.out.println(i);
}

    for (int j = 0; j <= 100; j ++) {
        if (j % 2 == 0) {
            System.out.println(j);
        }
    }
```

The for loop is good to use when you know how many times you need to iterate

3. What is the syntax of another one of the loops in your above answer? How and when should you use this loop? Give an example.

An example of a While loop would be as follows:

```java
int x = 0; //the condition
    while (x < 10) {
        System.out.println(x);
        x++;

        do {
            System.out.println(x);
            x++;
        } while (x < 2);
```

The While loop is good when you need to do something over and over but don't know how many lines ae in the file.

4. What is the syntax of another one of the loops in your above answer? How and when should you use this loop? Give an example.

An example of a Do loop would be as follows:

```
do {
    System.out.println(x);
    x++;
} while (x < 2);
```

Do loops are like while loops but will only execute the code block once.

5. What is your favorite thing you learned this week?

My favorite thing that I have learned this week is user input I find that this is fascinating and can't wait to learn more about implementation of this wonder tool