1. There are 3 loops Java provides.
   a. for
   b. while
   c. do-while
      https://www.scaler.com/topics/java/loops-in-java/

2. Syntax for while loop
   a. while (expression) {
      code block;
      }
   b. Used to provide one or more condition/actions that can be repeated until a termination condition is met

   c. `int x = 0;`

   ```java
   while (x < 9){

   System.out.println(x);

   x++;

   }
   ```

3. For loop
   a. for (Variable; Condition; Action){
      code block;
       }
   b. A simple loop when there is only one condition/action and an exact number of lopps will run

   c. `int maxNum = 100;`

   ```java
   for (int b =0; b<= maxNum; b++) {

   System.out.println(b);

   }
   ```

4. do-while
   a. do {

   ```java
      // Condition (Statement(s))

      // Action;

   }
   ```

```
        while(Test Expression);

    b. Used same as a while loop except the loop is executed once providing an
       output on first run.
    c. int y = 0;

       do {

           if (y % 2 == 0) {

               System.out.println("EVEN");

           } else {

               System.out.println("ODD");

           }

           y++;

       } while (y <= 100);



5. learning about the other loop functions for, do-while are new to me.
```