



The While Loop

REVIEW OF LECTURES/TODAY'S AGENDA

- The syntax of the while loop.
- Repeated If-statement
- When to use while loops.

LET'S CODE TOGETHER!

We will write a program that will help CIS students practice their modular arithmetic for the first exam.

04



```
public class Quiz {  
    public static void main(String[] args) {  
        java.util.Scanner input = new java.util.Scanner(System.in);  
  
        int wrong = 0;  
        int answer;
```

```
while (wrong < 3) {  
    int random1 = (int) (Math.random() * 100);  
    int random2 = (int) (Math.random() * 125);  
    int modulus = (int) (Math.random() * 150);  
    System.out.print(random1 + " % " + modulus + " = ");  
    answer = input.nextInt();  
    if(answer == random1 % modulus){  
        System.out.println("Correct! \u263A");  
    }else{  
        wrong++;  
        System.out.println("Incorrect \u2639");  
    }  
}
```

03

Now you code!

Worksheet of problems

@

github.com/josephclark293/cis230pass

