



REVIEW OF LECTURES/TODAY'S AGENDA

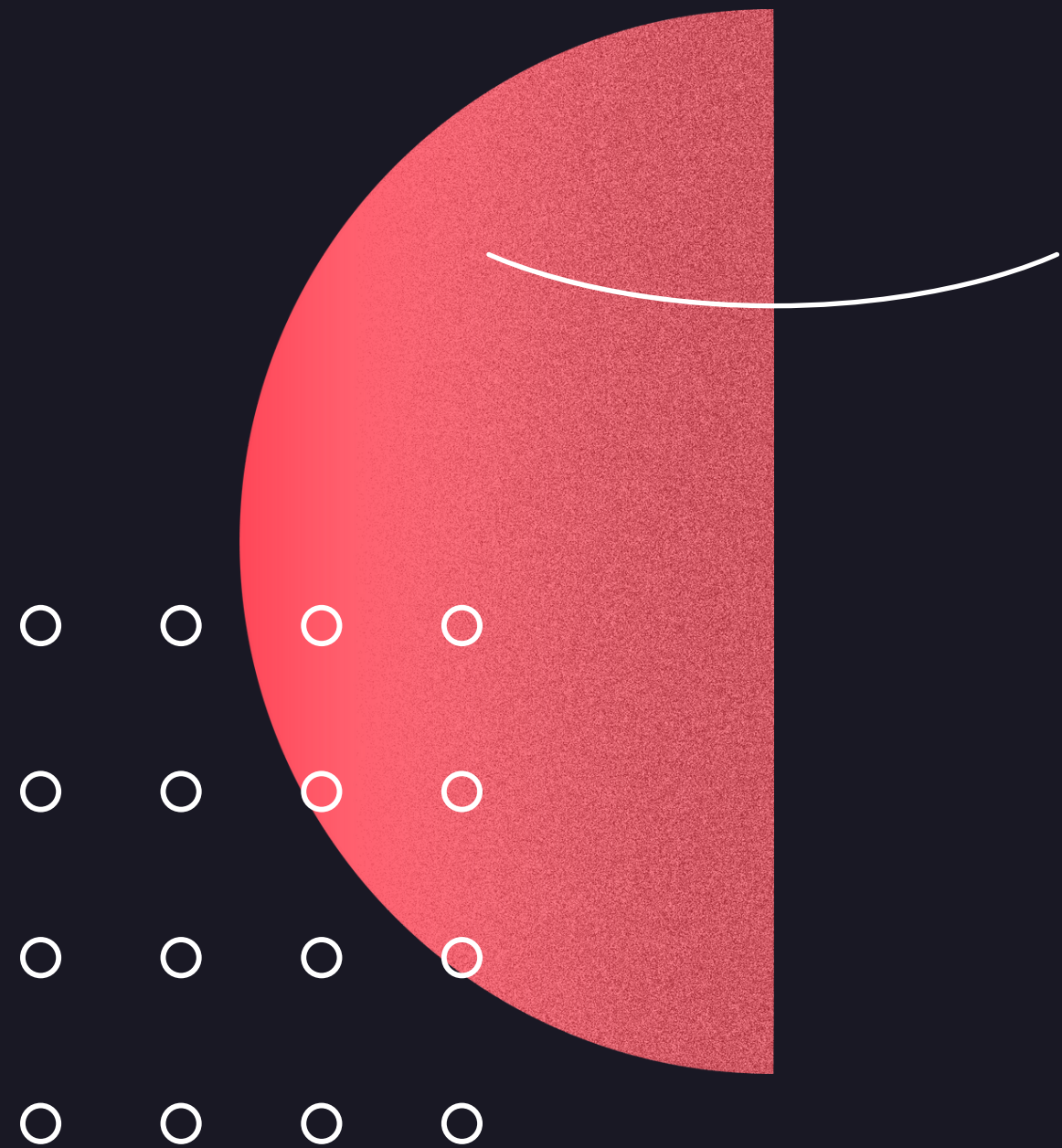
- The syntax of the for loop.
- When to use for loops.
- For versus while

**LET'S CODE
TOGETHER!**



```
public class GcdWhile {  
    public static void main(String[] args) {  
        Scanner input = new Scanner(System.in);  
        int gcd = 1; //1 divides every number  
        int k = 2; //number to test  
        int n1 = input.nextInt();  
        int n2 = input.nextInt();  
        while (k <= n1 && k <= n2) {  
            if (n1 % k == 0 && n2 % k == 0) {  
                gcd = k;  
            }  
            k++;  
        }  
        System.out.println("The GCD is " + k);  
    }  
}
```

```
public class GcdFor {  
    public static void main(String[] args) {  
        Scanner input = new Scanner(System.in);  
        int gcd = 1; //1 divides every number  
        int n1 = input.nextInt();  
        int n2 = input.nextInt();  
        for(int k = 2; k <= n1 && k<= n2;k++) {  
            if(n1 % k == 0 && n2 % k == 0) {  
                gcd = k;  
            }  
        }  
    }  
}
```



Now you code!
Worksheet of
problems to be
emailed to
you. Please let me
know if you need
help!