

# Group Programming Practice

## Task 1 — Even or Odd Printer (*While Loop*)

Write a while loop that prints numbers **1 through 10**.

Inside the loop:

- If the number is **even** → print: X is even
- If the number is **odd** → print: X is odd

### Expected Output Example

1 is odd  
2 is even  
3 is odd  
...  
10 is even

```
int count = 1;
while (count <= 10) {
    if (count % 2 == 0) {
        System.out.println("X is Even'
    }else{
        System.out.println("X is Odd
    }
    System.out.println(count);
    count++;
}
```

## Task 2 — Grade Evaluation (*Do-While Loop*)

Start with:

```
int score = 50;
```

Use a do-while loop that:

- Increases score by **10** each time
- **Stops when score > 100**

Inside the loop:

- If score  $\geq 90$  → print "**Excellent**"
- Else if score  $\geq 70$  → print "**Good**"
- Else → print "**Keep working**"

```
System.out.println("Grade Calculator");
System.out.println("What is your score?");
int score = 50;
if(score>=90){
System.out.println("Excellent");
}else if (score>=80){
System.out.println("Good");
}else if (score>=70){
System.out.println("Good");
}else if (score>=60){
System.out.println("Keep Working");
}else if (score>=50){
System.out.println("Keep Working");
}
```

### Sample Output

Score: 50 → Keep working  
Score: 60 → Keep working  
Score: 70 → Good  
Score: 80 → Good  
Score: 90 → Excellent  
Score: 100 → Excellent

## Task 3 — Multiples with Branching (*For Loop*)

Print numbers **1 to 20** using a for loop.

Inside the loop:

- If number is a **multiple of 5** → print: X → High Five!
- Otherwise → just print the number

### Expected Output

1  
2  
3  
4  
5 → High Five!  
...  
20 → High Five!

```
int count = 1;
while (count <= 20){
    if (count % 5 == 0){
        System.out.println("High Five!");
    }
    System.out.println(count);
    count++;
}
```