

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 ≥ 90 → print "Excellent"
- Else if score ≥ 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;
for (count = 1; count <= 20; count++) {
    if (count % 5 == 0) {
        System.out.println("High Five!");
    }
    System.out.println(count);
}
```