

```
import java.util.Scanner;

public class Exp_01 {

    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);

        // If-Else Statement ->>

        System.out.println("If-Else Statement");
        System.out.println("Enter your age: ");
        int age = sc.nextInt();

        if (age >= 18 && age <= 70) {
            System.out.println("You can drive.");
        }
        else if (age >= 15 && age < 18) {
            System.out.println("You can opt for learning license.");
        }
        else {
            System.out.println("You can't drive.");
        }

        // While loop ->>

        System.out.println("While loop");
        System.out.println("Enter a number whose table you want: ");
        int num = sc.nextInt();

        System.out.println("Multiplication table for " + num + ": ");
        int i = 1;

        while (i <= 10) {
            System.out.println(num + " x " + i + " = " + (num * i));
            i++;
        }

        // For loop ->>

        System.out.println("For loop");
        System.out.println("Enter a number whose table you want: ");
        int digit = sc.nextInt();

        System.out.println("Multiplication table for " + digit + ":");

        for (int j = 0; j <= 10; j++) {
            System.out.println(digit + " x " + j + " = " + (digit * j));
        }

        // Do while loop ->>

        System.out.println("Do-while loop");
        System.out.println("Enter a number whose table you want: ");
        int number = sc.nextInt();
```

```
System.out.println("Multiplication table for " + number + ":");
int k = 1;

do {
    System.out.println(number + " x " + k + " = " + (number * k));
    k++;
} while (k<=10);

// Switch Statement ->>

System.out.println("Switch Statement");
System.out.println("Enter your rating on scale of 1-5: ");
int rating = sc.nextInt();

String rated;

switch (rating) {
    case 1:
        rated = "Worst";
        break;

    case 2:
        rated = "Bad";
        break;

    case 3:
        rated = "Good";
        break;

    case 4:
        rated = "Excellent";
        break;

    case 5:
        rated = "Fabulous";
        break;

    default:
        rated = "Invalid rating";
        break;
}

System.out.println("You rated us " + rated + ". Thanks for the feedback!");
}
```

### ❖ Output:

If-Else Statement

Enter your age:

78

You can't drive.

While loop

Enter a number whose table you want:

12

Multiplication table for 12:

$$12 \times 1 = 12$$

$$12 \times 2 = 24$$

$$12 \times 3 = 36$$

$$12 \times 4 = 48$$

$$12 \times 5 = 60$$

$$12 \times 6 = 72$$

$$12 \times 7 = 84$$

$$12 \times 8 = 96$$

$$12 \times 9 = 108$$

$$12 \times 10 = 120$$

For loop

Enter a number whose table you want:

10

Multiplication table for 10:

$$10 \times 0 = 0$$

$$10 \times 1 = 10$$

$$10 \times 2 = 20$$

$$10 \times 3 = 30$$

$$10 \times 4 = 40$$

$$10 \times 5 = 50$$

$$10 \times 6 = 60$$

$$10 \times 7 = 70$$

$$10 \times 8 = 80$$

$$10 \times 9 = 90$$

$$10 \times 10 = 100$$

Do-while loop

Enter a number whose table you want:

11

Multiplication table for 11:

$$11 \times 1 = 11$$

$$11 \times 2 = 22$$

$$11 \times 3 = 33$$

$$11 \times 4 = 44$$

$$11 \times 5 = 55$$

$$11 \times 6 = 66$$

$$11 \times 7 = 77$$

$$11 \times 8 = 88$$

$$11 \times 9 = 99$$

$$11 \times 10 = 110$$

Switch Statement

Enter your rating on scale of 1-5:

4

You rated us Excellent. Thanks for the feedback!