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 x 1 = 12

12 x 2 = 24

12 x 3 = 36

12 x 4 = 48

12 x 5 = 60

12 x 6 = 72

12 x 7 = 84

12 x 8 = 96

12 x 9 = 108

12 x 10 = 120

For loop

Enter a number whose table you want:

10

Multiplication table for 10:

10 x 0 = 0

10 x 1 = 10

10 x 2 = 20

10 x 3 = 30

10 x 4 = 40

10 x 5 = 50

10 x 6 = 60

10 x 7 = 70

10 x 8 = 80

10 x 9 = 90

10 x 10 = 100

Do-while loop

Enter a number whose table you want:

11

Multiplication table for 11:

11 x 1 = 11

11 x 2 = 22

11 x 3 = 33

11 x 4 = 44

11 x 5 = 55

11 x 6 = 66

11 x 7 = 77

11 x 8 = 88

11 x 9 = 99

11 x 10 = 110

Switch Statement

Enter your rating on scale of 1-5:

4

You rated us Excellent. Thanks for the feedback!