## **TUTORIAL 03**

## Q1.[1]

[2]

```
public class Main {
    public static void main(String[] args) {
    for (int i=0; i<15;i+=2) {
        if (i!=6) {
            System.out.println(i);
        }
     }
}</pre>
```

[3]

Q2.

```
}
System.out.println();
}
}
```

[Q3]

[Q4]

```
import java.util.Scanner;

public class Q4 {
    public static void main(String[] args) {
        Scanner input = new Scanner(System.in);
        System.out.println("Enter your nb: ");
        int nb = input.nextInt();

        if (nb < 0) {
             System.out.println("Can't get factorial for - values.");
        } else {
            int Result = factorial(nb);
                System.out.println("Factorial of " + nb + " is: " + Result);
        }
    }

    private static int factorial(int n) {
        if (n == 0 || n == 1) {</pre>
```

```
return 1;
} else {
    return n * factorial(n-1);
}
}
```

[05]

[Q6]

```
import java.util.Scanner;

public class Q6 {
    public static void main(String[] args) {

        Scanner input = new Scanner(System.in);

        System.out.println("Enter your first nb: ");
        double num1 = input.nextDouble();

        System.out.println("What do you want, (+,-,/,*) ");
        char operator = input.next().charAt(0);

        System.out.println("Enter your second nb: ");
        double num2 = input.nextDouble();
```

```
double result = 0;
switch (operator) {
    case '+':
        result = num1 + num2;
        break;
    case '-':
        result = num1 - num2;
        break;
    case '*':
        result = num1 * num2;
        break;
    case '/':
        if (num2 != 0) {
            result = num1 / num2;
        } else {
            System.out.println("Error: Division by zero");
            return;
        }
        break;
    default:
        System.out.println("Invalid operator");
        return;
}
System.out.println("Result: " + result);
}
```

## [Q7]

```
System.out.println("Incorrect passcode. Attempts remaining: "
+ (maxAttempts - attempts));
}
input.close();
if (attempts == maxAttempts) {
    System.out.println("Maximum attempts reached. Access denied.");
}
}
```

[Q10]