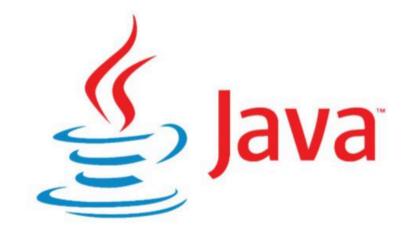
What is java?

Java is a multi-platform, object-oriented, and network-centric language that can be used as a platform in itself. It is a fast, secure, reliable programming language for coding everything from mobile apps and enterprise software to big data applications and server-side technologies.



Task 1: Simple Calculator Application - Objective: Create a basic calculator application in Java.

```
package week1;
                                       Task 1
import java.util.*;
public class Calculation {
        public static void main(String[] args) {
    Scanner sc=new Scanner(System.in);
    System.out.println("enter two numbers");
    int a=sc.nextInt();
    int b=sc.nextInt();
    System.out.println("enter an operator do you want to calculate(+,-,*,%)");
    char op=sc.next().charAt(0);
    switch(op) {
    case'+':System.out.println(a+b);
            break:
    case'-':System.out.println(a-b);
            break;
    case'*':System.out.println(a*b);
            break;
    case'%':System.out.println(a%b);
            break;
    default:System.out.println("invalid input");
```

Task 1

- 1 .Take two numbers as user input using the Scanner Class.
- 2. Take the operation to be performed using the Scanner Class
- 3.Use logic (if-lse or switch-case) to select the operation to perform on the two operands.
- 4. Store the computed value in result.
- 5. Print the result.

Task 2: Number Guessing Game

- Objective: Develop a simple number guessing game in Java.

```
package week1;
                             Task 2
import java.util.*;
public class Task2 {
        public static void main(String[] args) {
        Scanner sc=new Scanner(System.in);
        int a=sc.nextInt();
        int b=sc.nextInt();
        if(a==b)
                System.out.println("correct");
        else {
                if(a>b)
                        System.out.println("too high");
                else {
                        System.out.println("too low");
```