Practical 1

1. Write a program to display first n prime numbers.

public class Prime {

public static void main(String[] args) {

int n=20;

int min = 0;

for (int i = 2; i <= n; i++) {

int count = 0;

for (int j = 1; j <= n; j++) {

if(i%j == 0){

count++;

}

}

if (count==2) {

min++;

if(min<=10){

System.out.println(i+" is prime");

}

}

}

}

}

Output:

2 is prime

3 is prime

5 is prime

7 is prime

11 is prime

13 is prime

17 is prime

19 is prime

1. Write a program to implement basic calculator

import java.util.Scanner;

class Calculator{

public static void main(String args[]) {

System.out.println("enter Value=");

Scanner sc= new Scanner(System.in);

int v = sc.nextInt();

int a=10;

int b=20;

int sum;

switch (v) {

case 1 -> {

sum=a+b;

System.out.println("add = "+sum);

}

case 2 -> {

sum=a-b;

System.out.println("Sub = "+sum);

}

case 3 -> {

sum=a\*b;

System.out.println("Mul = "+sum);

}

case 4 -> {

sum=a/b;

System.out.println("Div = "+sum);

}

default -> System.out.println("Error");

}

sc.close();

}

}

Output:

enter Value=

1

add = 30

enter Value=

2

Sub = -10

enter Value=

3

Mul = 200

enter Value=

4

Div = 0