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package com.praveen.assaignments;           // package

import java.util.Scanner;

public class SimpleCalculator {

    public static void main(String[] args)
    {
        double res;                           //declare res as global

        System.out.println("*****SIMPLE CALCULATOR*****\n");//title for programm

        System.out.println("1.Addition");      //addition
        System.out.println("2.Difference");    //subtraction
        System.out.println("3.Product");       // multiplication
        System.out.println("4.Division");      //division
        System.out.println("5.Power of");     //taking power
        System.out.println("ENTER THE CHOICE : ");
        Scanner praveen=new Scanner(System.in); // constructor
        int ch=praveen.nextInt();

        switch(ch)                             //switch statement
        {
            case 1:
                System.out.println("ENTER THE NUMBERS:");// addition
                int a=praveen.nextInt();
                int b=praveen.nextInt();

                res=a+b;                         //res global variable

                System.out.println("the addition of "+a+ " and "+b+ " is= "+res);
                break;

            case 2:
                System.out.println("ENTER THE NUMBERS:");//subtraction
                int c=praveen.nextInt();
                int d=praveen.nextInt();
                res=c-d;
                System.out.println("the subtraction of "+c+ " and "+d+ " is= "+res);
                break;

            case 3:
                System.out.println("ENTER THE NUMBERS:");//multiplication
                int e=praveen.nextInt();
                int f=praveen.nextInt();
                res=e*f;
                System.out.println("the product of "+e+ " and "+f+ " is= "+ res);
                break;
        }
    }
}

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case 4:

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System.out.println("ENTER THE NUMBERS:");//division
int g=praveen.nextInt();
int h=praveen.nextInt();
res=g/h;
System.out.println("the division of "+g+ " and "+h+ " is= "+res);
break;
```

case 5:

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System.out.println("ENTER THE NUMBERS:");//power
int i=praveen.nextInt();
int j=praveen.nextInt();
res=Math.pow(i,j);
System.out.println("the power of "+i+ " and "+j+ " is= "+res);
break;
```

default:

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System.out.println("invalid option");
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}
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}
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}
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