**Assignment-5**

Q1) WAP to design a calculator using switch case implement functions for sum ,sub, etc…

import java.util.Scanner;

public class Simple\_Calc

{

public static void main(String[] args)

{

Scanner s= new Scanner(System.in);

System.out.println("Enter two numbers: ");

float first = s.nextFloat();

float second = s.nextFloat();

System.out.println("Enter an operator (+, -, \*, /): ");

char operator = s.next().charAt(0);

float result;

switch (operator)

{

case '+':

result = first + second;

break;

case '-':

result = first - second;

break;

case '\*':

result = first \* second;

break;

case '/':

result = first / second;

break;

default:

System.out.println("Invalid");

return;

}

System.out.println(first + " " + operator + " " + second + " = " + result);

}

}

Output:----

Enter two numbers: 23

23

Enter an operator (+, -, \*, /): +

23.0 + 23.0 = 46.0

Q2) WAP to reverse a number using function with parameters

import java.util.Scanner;

public class Reverse\_F

{

public static void reverse(int num)

{

if (num < 10)

{

System.out.println(num);

}

else

{

System.out.print(num % 10);

reverse(num/10);

}

}

public static void main(String args[])

{

System.out.print("Enter the number : ");

Scanner sc = new Scanner(System.in);

int num2 = sc.nextInt();

System.out.print("Reverse Number is : ");

reverse(num2);

}

}

Output:--

Enter the number : 8426985

Reverse Number is : 5896248

Q3) WAP to calculate power of any base using function and return the value.

Q4) WAP to find the avg of five numbers using function and then return the avg value to check whether avg is greater than 100 or not

Q5) WAP to implement even/odd , positive/negative using functions.

Q6) WAP to find the length of a string.

Q7) WAP to find the greater of 2 numbers using command line argument

Q8)WAP to convert a string into int using predefined function,

Q9)WAP to find the address of any variable.

Q10)WAP to add two pointer values.