**PROBLEM#04**

**Q** :Write a program for calculator using **switch case** statements.

**SOURCE CODE:**

#include <stdio.h>

int main(){

char op;

float num1,num2,add,sub,mul,div;

//heading

printf("\n\t\t\*\*\*\*\*\*\*\*\t CALCULATOR \t\*\*\*\*\*\*\*\*\t\n");

//input operator

printf("\n Enter Operator <+,-,\*,/> :");

scanf("\n %c",&op);

//input number one

printf("\n Enter Number 1 : ");

scanf("%f",&num1);

//input number two

printf("\n Enter Number 2 : ");

scanf("%f",&num2);

switch(op)

{

case '+':

add= num1 + num2;

printf("\n\t\t\*\*\*\*\*\*\*\*\t ANSWER \t\*\*\*\*\*\*\*\*\t\n");

printf("\n The Addition of these numbers are : %.0f",add);

break;

case '-':

sub= num1 - num2;

printf("\n\t\t\*\*\*\*\*\*\*\*\t ANSWER \t\*\*\*\*\*\*\*\*\t\n");

printf("\n The Subraction of these numbers are : %.0f",sub);

break;

case '\*':

mul = num1 \* num2;

printf("\n\t\t\*\*\*\*\*\*\*\*\t ANSWER \t\*\*\*\*\*\*\*\*\t\n");

printf("\n The Multiplication of these numbers are : %.0f",mul);

break;

case '/':

div = num1 / num2;

printf("\n\t\t\*\*\*\*\*\*\*\*\t ANSWER \t\*\*\*\*\*\*\*\*\t\n");

printf("\n The Division of these numbers are : %.2f",div);

break;

default:

printf("Error: Invalid operator.\n");

}

getche();

return 0;

}

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**OUTPUT:**

