PROBLEM#03

Q :Write a program for calculator using **if** , **else if** ,**else** statements.

SOURCE CODE:

```c
#include <stdio.h>
int main(void){

        //variables
        char operator;
        float num1,num2,add,subract,multiply,division;

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

        //input operator
        printf("\n Enter Operator <+,-,*,/> :");
        scanf("\n %c",&operator);

        //input number one
        printf("\n Enter Number 1 : ");
        scanf("%f",&num1);

        //input number two
        printf("\n Enter Number 2 : ");
        scanf("%f",&num2);

        // if addition
        if(operator == '+'){
                add = num1 + num2;
                printf("\n\t\t********\t ANSWER \t********\t\n");
                printf("\n The Addition of these numbers are : %.0f",add);
        }
```
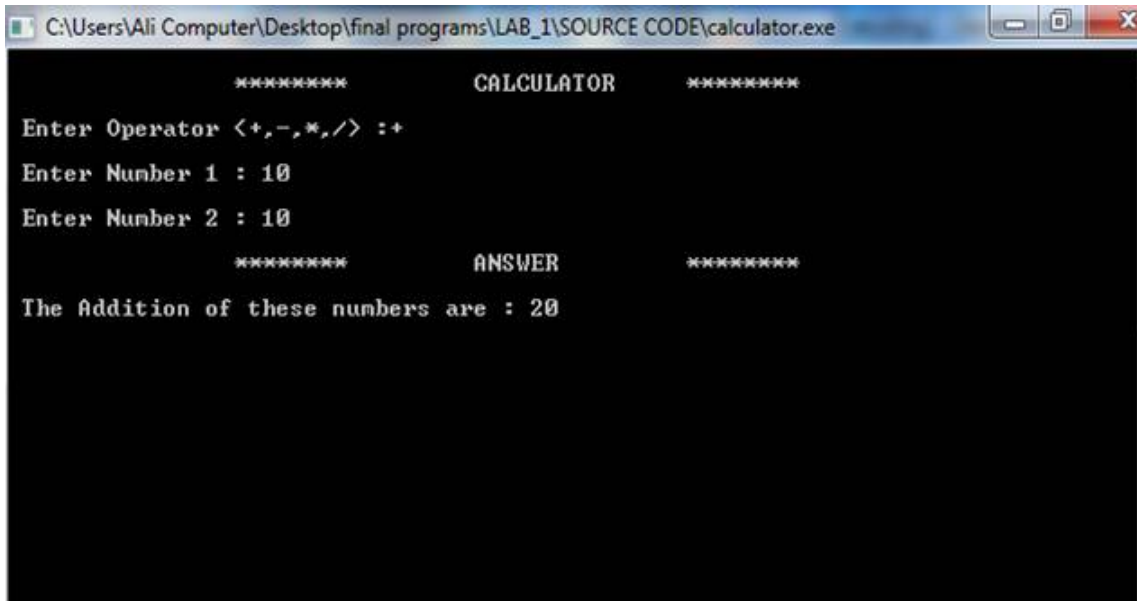
```c
//if subraction
else if(operator == '-'){
        subract = num1 - num2;
        printf("\n\t\t********\t ANSWER \t********\t\n");
        printf("\n The Subraction of these numbers are : %.0f",subract);
}


//if multiplication
else if(operator == '*'){
        multiply = num1 * num2;
        printf("\n\t\t********\t ANSWER \t********\t\n");
        printf("\n The Multiplication of these numbers are : %.0f",multiply);
}


//if division
else if (operator == '/'){
        division = num1 / num2;
        printf("\n\t\t********\t ANSWER \t********\t\n");
        printf("\n The Division of these numbers are : %.2f",division);
}
getche();
}
```

OUTPUT:

```
C:\Users\Ali Computer\Desktop\final programs\LAB_1\SOURCE CODE\calculator.exe

              ********        CALCULATOR        ********
Enter Operator <+,-,*,/> :+
Enter Number 1 : 10
Enter Number 2 : 10
              ********        ANSWER            ********
The Addition of these numbers are : 20
```

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