2) Write a calculator program, keeping following things in mind
:->Take two numbers as input from user
:->Apply +,-,*,/ and % operations on them.
:->print result on screen as:
sum of 4 and 5 is 9
difference of 4 and 5 is -1
and so on for other operations too.

Ans: INPUT:


```c
#include<stdio.h>
#include<conio.h>
int main()
{
    printf("\n****calculator****\n\n");
    int choice,n1,n2,i;
    do
    {
        i=0;
        printf("\nenter two numbers:");
        scanf("%d%d",&n1,&n2);
        printf("\nCHOOSE (1/2/3/4/5) FROM MENU:\n");
        printf("\n1.addition\n");
        printf("\n2.subtraction\n");
        printf("\n3.multiplication\n");
        printf("\n4.division\n");
        scanf("%d",&choice);
        switch(choice)
        {
            case 1:
                printf("\nRESULT(+)=%d\n",n1+n2);
                printf("\nPress 6 to continue/0 for exit");
                scanf("%d",&i);
                break;
            case 2:
                printf("\nRESULT(-)=%d\n",n1-n2);
                printf("\nPress 6 to continue/0 for exit");
                scanf("%d",&i);
                break;
            case 3:
                printf("\nRESULT(*)=%d\n",n1*n2);
                printf("\nPress 6 to continue/0 for exit");
                scanf("%d",&i);
                break;
            case 4:
                printf("\nRESULT(/)=%d\n",n1/n2);
                printf("\nPress 6 to continue/0 for exit");
                scanf("%d",&i);
                break;
            default:
                printf("\nINVALID INPUT\n");
                printf("\npress 6 for menu / 0 for exit\n");
                scanf("%d,&i");
                break;
        }
```

```
        }
        while(i);
        printf("\nCALCULATOR ENDED SUCCESSFULLY\n");
        getch();
        return 0;
}
```

output:

For addition :

```
****calculator****

enter two numbers:4
5

CHOOSE (1/2/3/4/5) FROM MENU:

1.addition

2.subtraction

3.multiplication

4.division
1

RESULT(+)=9

Press 6 to continue/0 for exit█
```

For subtraction :

```
****calculator****

enter two numbers:4
5

CHOOSE (1/2/3/4/5) FROM MENU:

1.addition

2.subtraction

3.multiplication

4.division
2

RESULT(-)=-1

Press 6 to continue/0 for exit█
```

For multiplication :

```
****calculator****

enter two numbers:54
34

CHOOSE (1/2/3/4/5) FROM MENU:

1.addition

2.subtraction

3.multiplication

4.division
3

RESULT(*)=1836

Press 6 to continue/0 for exit
```

For division :

```
****calculator****

enter two numbers:45
5

CHOOSE (1/2/3/4/5) FROM MENU:

1.addition

2.subtraction

3.multiplication

4.division
4

RESULT(/)=9

Press 6 to continue/0 for exit
```