

Project :- Calculator Project

```
#include<stdio.h>
int main(){
    start:
    printf("Welcome to the Calculator!\n");
    printf("Press 1 to Addition\n");
    printf("Press 2 to Subtract\n");
    printf("Press 3 to multiply\n");
    printf("Press 4 to division\n");
    printf("Press 5 to Exit\n");
    int ch[1];
    printf("-----\n");
    printf("Enter your choice\n");
    int option;
    scanf("%d",&option);

    if(option ==5){
        printf("Exiting the program.....!\n");
        return 0;
    }
    else if(option>5)
        goto enter;
    printf("Enter the first Number:");
    int a;
    scanf("%d",&a);
    printf("Enter the second Number:");
    int b;
    scanf("%d",&b);
    switch(option){
        case 1:
            printf("Sum of a and b: %d\n",a+b);
            break;
        case 2:
            printf("subtraction a and b: %d\n",a-b);
            break;
        case 3:
            printf("multiplication a and b: %d\n",a*b);
            break;
```

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        case 4:
            printf("division a and b: %d\n",a/b);
            break;
        default:
            enter:
            printf("Choose the correct option\n");
    }
    printf("Do you want to continue?\n");
    printf("press 1 Yes 0 No:\n");

    scanf("%d",&ch[0]);

    if(ch[0] ==1){
        system("cls");
        goto start;
    }
    else
        return 0;
}

```

Output : Welcome to the Calculator!

Press 1 to Addition
 Press 2 to Subtract
 Press 3 to multiply
 Press 4 to division
 Press 5 to Exit

Enter your choice

1

Enter the first Number:10

Enter the second Number:11

Sum of a and b: 21

Do you want to continue?

press 1 Yes 0 No:

////////////////////////////////////

Welcome to the Calculator!

Press 1 to Addition
 Press 2 to Subtract
 Press 3 to multiply
 Press 4 to division
 Press 5 to Exit

Enter your choice

2

Enter the first Number:20

Enter the second Number:10

subtraction a and b: 10

Do you want to continue?

press 1 Yes 0 No:

////////////////////////////////////

Welcome to the Calculator!

Press 1 to Addition

Press 2 to Subtract

Press 3 to multiply

Press 4 to division

Press 5 to Exit

Enter your choice

3

Enter the first Number:10

Enter the second Number:5

multiplication a and b: 50

Do you want to continue?

press 1 Yes 0 No:

////////////////////////////////////

Welcome to the Calculator!

Press 1 to Addition

Press 2 to Subtract

Press 3 to multiply

Press 4 to division

Press 5 to Exit

Enter your choice

4

Enter the first Number:80

Enter the second Number:8

division a and b: 10

Do you want to continue?

press 1 Yes 0 No:

////////////////////////////////////

Welcome to the Calculator!

Press 1 to Addition

Press 2 to Subtract

Press 3 to multiply

Press 4 to division

Press 5 to Exit

Enter your choice

5

Exiting the program.....!