

```
1 #include<stdio.h>
2 #include<stdlib.h>
3 int main(){
4     int run = 1;
5     while(run == 1){
6         int num1, num2, opt;
7         long long power = 1;
8         printf("Enter the first integer: ");
9         scanf("%d", &num1);
10        printf("Enter the second integer: ");
11        scanf("%d", &num2);
12        printf("\nInput your option: \n");
13        printf("1-Add.\n2-Subtract.\n3-Multiply.\n4-Divide.\n5-Greater Than.\n6-Less Than");
14        scanf("%d", &opt);
15        switch(opt){
16            case 1:
17                printf("The addition of %d and %d is %d\n", num1, num2, num1+num2);
18                break;
19            case 2:
20                printf("The subtraction of %d and %d is %d\n", num1, num2, num1-num2);
21                break;
22            case 3:
23                printf("The multiplication of %d and %d is %d\n", num1, num2, num1*num2);
24                break;
25            case 4:
26                if(num2 == 0){
27                    printf("Cannot divide by 0\n");
28                    break;
29                }else{
30                    printf("division of %d and %d is %f\n", num1, num2, (float)(num1/num2));
31                    break;
32                }
33            case 5:
34                if(num1 > num2){
35                    printf("%d is greater than %d\n", num1, num2);
36                    break;
37                }else{
38                    printf("%d is greater than %d\n", num2, num1);
39                }
40        }
41    }
42 }
```

Status gcc -Wall -c "rand func.c" (in directory: C:\Users\DELL\Desktop\New folder)  
Compiler Compilation finished successfully.

Messages

Scribble

```
esk..Akhilesh  
b.c  
k.c  
irth.c  
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b test.c  
hatadd.c  
matrix.c  
ne.c  
ime.c  
8.c  
10.c  
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c  
n.c  
al.c  
calculator.c  
d.c  
ash.c  
hatpro.c  
o.c  
ri.c  
and func.c  
s.c  
t.c  
en.c
```

```
36     break;  
37 }else{  
38     printf("%d is greater than %d\n", num2, num1);  
39     break;  
40 }  
41 case 6:  
42 if(num1<num2){  
43     printf("%d is less than %d\n", num1, num2);  
44     break;  
45 }else{  
46     printf("%d is less than %d\n", num2, num1);  
47     break;  
48 }  
49 case 7:  
50 if(num1 == num2){  
51     printf("Both numbers are equal\n");  
52     break;  
53 }else{  
54     printf("Given numbers are not equal\n");  
55     break;  
56 }  
57 case 8:  
58 if(num1 != num2){  
59     printf("Given numbers are not equal\n");  
60     break;  
61 }else{  
62     printf("Both numbers are equal\n");  
63     break;  
64 }  
65 case 9:  
66     printf("Average of %d and %d is %f\n", num1, num2, ((float)(num1+num2))/2);  
67     break;  
68 case 10:  
69 while(num2 != 0){  
70     power *= num1;  
71     --num2;  
72 }  
73 }
```

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; gcc -Wall -c "rand func.c" (in directory: C:\Users\DELL\Desktop\New folder)  
er Compilation finished successfully.  
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```

~\Desk...w folder  
b.c  
bin.c  
cal.c  
calculator.c  
dd.c  
hash.c  
matpro.c  
oo.c  
pri.c  
rand func.c  
ss.c  
st.c  
ten.c

```
66 case 9:  
67 printf("Average of %d and %d is %f\n",num1,num2, ((float)  
68 break;  
69 case 10:  
70 while (num2 != 0) {  
71 power *= num1;  
72 --num2;  
73 }  
74 printf("%d power %d is %lld\n",num1,num1,power);  
75 break;  
76 case 11:  
77 run = 0;  
78 exit(1);  
79 default:  
80 printf("input correct option\n");  
81 exit(1);  
82 return 0;  
83 }  
84 }  
85 }  
86 }
```

Status gcc -Wall -c "rand func.c" (in directory: C:\Users\DELL\Desktop\New folder)  
Compiler Compilation finished successfully.

Messages

Scribble

line 20 / 86 col: 60 sel: 0

INS TAB mode: CR/LF

Enter the first integer: 4  
Enter the second integer: 7

Input your option:

- 1-Add.
- 2-Subtract.
- 3-Multiply.
- 4-Divide.
- 5-Greater Than.
- 6-Less Than.
- 7-Equal To.
- 8-Not Equal To.
- 9-Average.
- 10-Power.
- 11-Exit

>>>3  
The multiplication of 4 and 7 is 28  
Enter the first integer:

8-Not Equal To.

9-Average.

10-Power.

11-Exit

>>3

The multiplication of 4 and 7 is 28

Enter the first integer: 6

Enter the second integer: 3

Input your option:

1-Add.

2-Subtract.

3-Multiply.

4-Divide.

5-Greater Than.

6-Less Than.

7-Equal To.

8-Not Equal To.

9-Average.

10-Power.

11-Exit

>>11

-----  
(program exited with code: 1)

Press any key to continue . . .