

C:\Users\Nikita\OneDrive\Desktop\programs\menu driven.cpp - Dev-C++ 5.11

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Project Classes Debug

menu driven.cpp sumaver.cpp

```
1
2  #include<stdio.h>
3  #include<math.h>
4  int main()
5  {
6      int num1,num2,choice;
7      char ch;
8      do
9      {
10         printf("\n Select your choice from the options given below:\n");
11         printf(" ARITHMETIC OPERATIONS: \n\n 1-Addition \n2-Subtraction \n3-Multiplication \n4-Division \n\n RELATIONAL OPERATIONS:\n ");
12         printf("\n5-Equal \n6-Greater than \n7-Smaller than \n8-Not equal to \n\n RANDOM\n \n9-Area of triangle \n10-Power\n");
13         scanf("%d",&choice);
14         printf("Enter the first number :");
15         scanf("%d",&num1);
16         printf("Enter the second number:");
17         scanf("%d",&num2);
18         switch(choice)
19         {
20             case 1:
21                 printf("Addition of %d and %d is: %d\n",num1,num2,num1+num2);
22                 break;
23             case 2:
24                 printf("Subtraction of %d and %d is: %d\n",num1,num2,num1-num2);
25                 break;
26             case 3:
27                 printf("Multiplication of %d and %d is: %d\n",num1,num2,num1*num2);
28                 break;
29             case 4:
30                 if(num2==0)
31                 {
32                     printf("Cannot divide by zero\n");
33                 }
34                 else
35                 {
36                     printf("Division of %d and %d is : %d\n",num1,num2,num1/num2);
37                 }
38             }
39         }
40     }
```

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```
38 break;
39
40 case 5:
41     if(num1==num2)
42         printf("Both the numbers are equal");
43     else
44         printf("Both number are not equal");
45     break;
46 case 6:
47     if(num1>num2){
48         printf("%d is greater than %d",num1,num2);
49     }
50     else {
51         printf("%d is greater than %d",num2,num1);
52     }
53     break;
54 case 7:
55     if(num1<num2)
56         printf("%d is smaller than %d",num1,num2);
57     else
58         printf("%d is smaller than %d",num2,num1);
59     break;
60 case 8 :
61     if(num1!=num2){
62         printf("Both the numbers are not equal");
63     }
64     else {
65         printf("The numbers are equal");
66         break;
67     }
68 case 9:
69     printf("Area of triangle having sides %d and %d is %f",num1,num2,(0.5*num1*num2));
70     break;
71 case 10:
72     printf("%d to the power of %d is %f",num1,num2,pow(num1,num2));
73     break;
74
```

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sumaver.cpp

```
48     printf("%d is greater than %d",num1,num2);
49 }
50 else {
51     printf("%d is greater than %d",num2,num1);
52 }
53 break;
54 case 7:
55     if(num1<num2)
56         printf("%d is smaller than %d",num1,num2);
57     else
58         printf("%d is smaller than %d",num2,num1);
59     break;
60 case 8 :
61     if(num1!=num2){
62         printf("Both the numbers are not equal");
63     }
64     else {
65         printf("The numbers are equal");
66     }
67     break;
68 case 9:
69     printf("Area of triangle having sides %d and %d is %f",num1,num2,(0.5*num1*num2));
70     break;
71 case 10:
72     printf("%d to the power of %d is %f",num1,num2,pow(num1,num2));
73     break;
74 default:
75     printf("Please select correct option \n");
76     break;
77 }
78 printf ("Do you want to repeat the operation Y/N: ");
79 scanf (" %c", &ch);
80 }
81 while (ch == 'y' || ch == 'Y');
```

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Select your choice from the options given below:
ARITHMETIC OPERATIONS:

- 1-Addition
- 2-Substraction
- 3-Multiplication
- 4-Division

RELATIONAL OPERATIONS:

- 5-Equal
- 6-Greater than
- 7-Smaller than
- 8-Not equal to

RANDOM

- 9-Area of triangle
- 10-Power
- 3

Enter the first number :36

Enter the second number:12

Multiplication of 36 and 12 is: 432

Do you want to repeat the operation Y/N: y

Select your choice from the options given below:
ARITHMETIC OPERATIONS:

- 1-Addition
- 2-Substraction
- 3-Multiplication
- 4-Division

RELATIONAL OPERATIONS:

- 5-Equal
- 6-Greater than
- 7-Smaller than
- 8-Not equal to

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7-Smaller than
8-Not equal to

RANDOM

9-Area of triangle
10-Power
3

Enter the first number :36

Enter the second number:12

Multiplication of 36 and 12 is: 432

Do you want to repeat the operation Y/N: y

Select your choice from the options given below:

ARITHMETIC OPERATIONS:

1-Addition
2-Substraction
3-Multiplication
4-Division

RELATIONAL OPERATIONS:

5-Equal
6-Greater than
7-Smaller than
8-Not equal to

RANDOM

9-Area of triangle
10-Power
6

Enter the first number :480

Enter the second number:790

790 is greater than 480Do you want to repeat the operation Y/N: y

Select your choice from the options given below:

ARITHMETIC OPERATIONS:

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Select your choice from the options given below:
ARITHMETIC OPERATIONS:

- 1-Addition
- 2-Substraction
- 3-Multiplication
- 4-Division

RELATIONAL OPERATIONS:

- 5-Equal
- 6-Greater than
- 7-Smaller than
- 8-Not equal to

RANDOM

- 9-Area of triangle
- 10-Power

9

Enter the first number :20

Enter the second number:12

Area of triangle having sides 20 and 12 is 120.000000Do you want to repeat the operation Y/N: n

Process exited after 68.67 seconds with return value 0
Press any key to continue . . .