

```
1 #include <stdio.h>
2 #include<math.h>
3 void main()
4 {
5     int a,b,choice;
6     printf("enter two nums:");
7     scanf("%d%d",&a,&b);
8     do
9     {
10         printf("\nmenu\n 1 for addition\n 2 for subtraction\n 3 for multiplication\n 4 for division\n ");
11         printf("5 to find min\n 6 to find max\n 7 for evencheck\n 8 to get remainder\n 9 for squares \n 10 for a power b\n 11 to exit\n");
12         scanf("%d",&choice);
13
14         switch(choice)
15         {
16
17             case 1 : printf("%d+%d=%d",a,b,a+b); break;
18
19             case 2 : printf("%d-%d=%d",a,b,a-b); break;
20
21             case 3 : printf("%d*d=%d",a,b,a*b); break;
22
23             case 4 : printf("%d/%d=%d",a,b,a/b); break;
24
25             case 5 : if(a<b){
26                     printf("%d",a);
27                 }
28                 else if(b<a){
29                     printf("%d",b);
30                 }
31                 else
32                     printf("Both are same");
33             break;
```

```

34 case 6 : if(a>b){
35     printf("%d",a);
36 }
37 else if(b>a){
38     printf("%d",b);
39 }
40 else
41     printf("Both are same");
42 break;
43 case 7 : if(a%2==0)
44     printf("%d is even",a);
45 else
46     printf("%d is odd",a);
47 if(b%2==0)
48     printf("%d is even",b);
49 else
50     printf("%d is odd",b);
51 break;
52 case 8 : printf("%d",a*b); break;
53
54 case 9 : printf("%d \t %d",a*a,b*b); break;
55
56 case 10: ; int p = pow(a, b);
57         printf("%d",p);
58 break;
59 case 11 : printf("exit"); break;
60
61 default : printf("enter integer in range 1 to 11\n");
62
63 }
64
65 }while(choice != 11);
66
67 }
68

```

"C:\Users\niranjan.savanur\Documents\ooj lab\ooj1.exe"

enter two nums:4 8

menu

- 1 for addition
- 2 for subtraction
- 3 for multiplication
- 4 for division
- 5 to find min
- 6 to find max
- 7 for evencheck
- 8 to get remainder
- 9 for squares
- 10 for a power b
- 11 to exit

3

4*8=32

menu

- 1 for addition
- 2 for subtraction
- 3 for multiplication
- 4 for division
- 5 to find min
- 6 to find max
- 7 for evencheck
- 8 to get remainder
- 9 for squares
- 10 for a power b
- 11 to exit

7

4 is even8 is even

menu

- 1 for addition
- 2 for subtraction
- 3 for multiplication
- 4 for division
- 5 to find min
- 6 to find max
- 7 for evencheck
- 8 to get remainder
- 9 for squares
- 10 for a power b
- 11 to exit

11 to exit

11

exit

Process returned 11 (0xB) execution time : 21.537 s

Press any key to continue.

```

1  #include<stdio.h>
2
3  float sumaver (float n1, float n2);
4
5  void printeven (float n1, float n2);
6
7
8  int main(){
9      float a, b, c, num1, num2, average;
10     printf("Input three numbers\n");
11     scanf("%f%f%f",&a,&b,&c);
12     if (a < b && a < c){
13         num1 = b;
14         num2 = c;
15     }
16     if (b < a && b < c){
17         num1 = a;
18         num2 = c;
19     }
20     if (c < a && c < b){
21         num1 = a;
22         num2 = b;
23     }
24     average = sumaver(num1, num2);
25     printf("\n average = %.2f\n", average);
26
27     printeven(num1, num2);
28
29     return 0;
30 }
31
32 float sumaver(float n1, float n2){
33     printf("sum = %.2f", n1 + n2);
34     return ((n1 + n2)/2);
35 }

```

```
32 ▼ float sumaver(float n1, float n2){  
33     printf("sum = %.2f", n1 + n2);  
34     return ((n1 + n2)/2);  
35 }  
36  
37 ▼ void printeven (float n1, float n2){  
38     float a1, a2;  
39 ▼     if (n1 < n2){  
40         a1 = n1;  
41         a2 = n2;  
42     }  
43 ▼     else {  
44         a1 = n2;  
45         a2 = n1;  
46     }  
47     printf("even numbers between them are:\n");  
48 ▼     for (float i = a1 + 1; i < a2; i++){  
49         if ((int)i % 2 == 0){  
50             printf("%d\n", (int)i);  
51         }  
52     }  
53 }  
54  
55  
56
```

 "C:\Users\niranjana.savanur\Documents\ooj lab\ooj2.exe"

Input three numbers

20 5 1

sum = 25.00

average = 12.50

even numbers between them are:

6

8

10

12

14

16

18

Process returned 0 (0x0) execution time : 15.696 s

Press any key to continue.