

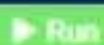


main.c

```
1 #include <stdio.h>
2 #include<math.h>
3 void calculator(int,int);
4 int main()
5 {
6     int a,b;
7     printf("Enter two numbers\n");
8     scanf("%d %d",&a,&b);
9     calculator(a,b);
10 }
11 void calculator(int a,int b)
12 {
13     int sum,result,opt;
14     float avg;
15     printf("1:Add\n2:Subtract\n3:Multiply\n4:Divide\n5:Check equality\n6:Find greater\n");
16     printf("7:Find smaller\n8:check if sum is even\n9:Average\n10:find the squareroot of their sum\n");
17     printf("Enter your choice\n");
18     scanf(" %d",&opt);
19     while(opt!=0)
20     {
21         switch(opt)
22         {
23             case 1:
24                 result=a+b;
25                 printf("Sum is %d \n",result);
26                 break;
27
28             case 2:
29                 if(a>b)
30                 {
31                     result=a-b;
32                 }
33                 else
34                 {
35                     result=b-a;
```

main.c

```
34 result=b-a;
35 }
36 printf("Difference is %d \n",result);
37 break;
38
39 case 3:
40 result=a*b;
41 printf("Multiplication is %d \n",result);
42 break;
43
44 case 4:
45 result=a/b;
46 printf("Division is %d \n",result);
47 break;
48
49 case 5:
50 if(a==b)
51 {
52 printf("They are equal \n");
53 }
54 else
55 {
56 printf("They are not equal\n");
57 }
58 break;
59
60 case 6:
61 if(a>b)
62 {
63 printf("%d is greater than %d\n",a,b);
64 }
65 else
66 {
67 printf("%d is greater than %d\n",b,a);
68 }
```



main.c

```
68     }
69     break;
70
71     case 7:
72     if(a<b)
73     {
74     printf("%d is smaller than %d\n",a,b);
75     }
76     else
77     {
78     printf("%d is smaller than %d\n",b,a);
79     }
80     break;
81
82     case 8:
83     sum=a+b;
84     if(sum%2==0)
85     {
86     printf("Sum is even\n");
87     }
88     else
89     {
90     printf("Sum is odd\n");
91     }
92     break;
93
94     case 9:
95     sum=a+b;
96     avg=((float)sum)/2;
97     printf("The average of their sum is= %f\n",avg);
98     break;
99
```

```
100 case 10:
101     sum=a+b;
102     printf("Square root of the sum is%f\n",sqrt(sum));
103     break;
104 }
105
106 printf("Enter 0 to EXIT or choose an option from 1 to 10\n");
107 scanf("%d",&opt);
108 }
109 }
```

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Enter two numbers

10

6

1:Add

2:Subtract

3:Multiply

4:Divide

5:Check equality

6:Find greater

7:Find smaller

8:check if sum is even

9:Average

10:find the squareroot of their sum

Enter your choice

1

Sum is 16

Enter 0 to EXIT or choose an option from 1 to 10

2

Difference is 4

Enter 0 to EXIT or choose an option from 1 to 10

3

Product is 60

Enter 0 to EXIT or choose an option from 1 to 10

4

Division is 1

Enter 0 to EXIT or choose an option from 1 to 10

5

They are not equal

Enter 0 to EXIT or choose an option from 1 to 10

6

10 is greater than 6

Enter 0 to EXIT or choose an option from 1 to 10

7



jdk-8u261-window....exe ^



OOJ LAB.zip ^


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```
7
6 is smaller than 10
Enter 0 to EXIT or choose an option from 1 to 10
8
Sum is even
Enter 0 to EXIT or choose an option from 1 to 10
9
The average of their sum is= 8.000000
Enter 0 to EXIT or choose an option from 1 to 10
10
Square root of the sum is4.000000
Enter 0 to EXIT or choose an option from 1 to 10
█
```



jdk-8u261-window...exe ^



OOJ LAB.zip ^

main.c

```

1  #include <stdio.h>
2  float sumaver(int,int);
3  void printeven(int,int);
4  int main()
5  {
6      int a,b,c,g1,g2;
7      float avg;
8      printf("Enter 3 numbers\n");
9      scanf("%d%d%d",&a,&b,&c);
10     if(a>b&&a>c)
11     {
12         g1=a;
13         g2=b>c?b:c;
14     }
15     else if(b>c&&b>a)
16     {
17         g1=b;
18         g2=a>c?a:c;
19     }
20     else if(c>a&&c>b)
21     {
22         g1=c;
23         g2=a>b?a:b;
24     }
25     avg=sumaver(g1,g2);
26     printf("The average of the two numbers are= %f\n",avg);
27     printeven(g1,g2);
28 }
29 float sumaver(int g1,int g2)
30 {
31     float avg;
32     printf("The sum of the two numbers are= %d\n",(g1+g2));
33     avg=((float)(g1+g2))/2;
34     return avg;
35 }
    
```

```
35 }
36 void printeven(int g1,int g2)
37 {
38     int i,x,y;
39     printf("The even numbers between are:\n");
40     if(g1<g2)
41     {
42         x=g1;
43         y=g2;
44     }
45     else
46     {
47         x=g2;
48         y=g1;
49     }
50     for(i=x+1;i<y;i++)
51     {
52         if(i%2==0)
53         {
54             printf("%d\n",i);
55         }
56     }
57 }
```


Enter 3 numbers

10

8

15

The sum of the two numbers are= 25

The average of the two numbers are= 12.500000

The even numbers between are:

12

14

...Program finished with exit code 0

Press ENTER to exit console.