

```
1  #include<stdio.h>
2
3  int main()
4  {
5      int a,b;
6      printf("Enter two numbers:\n");
7      scanf("%d %d",&a,&b);
8      printf("Menu :   \n");
9      printf("1: To find the addition
           of two numbers\n");
10     printf("2: To find the
           subtraction of two
           numbers\n");
11     printf("3: To find the
           multiplication of two
           numbers\n");
12     printf("4: To find the division
           of two numbers\n");
13     printf("5: To find the
           remainder of two numbers\n"
           );
14     printf("6: To check if two
           numbers are equal\n");
```

Run

```
15     printf("7: To check if first
        number is greater than
        second number\n");
16     printf("8: To check if second
        number is greater than
        first number\n");
17     printf("9: To check if first
        number is greater than or
        equal to second number\n");
18     printf("10: To check if second
        number is greater than or
        equal to first number\n");
19     printf("11: Quit\n");
20     while(1)
21     {
22         printf("Please choose
                option:\n");
23         int choice;
24         scanf("%d",&choice);
25         if( choice == 1)
26             printf("The sum is
                    %d\n",a + b);
27         else if(choice == 2)
```

Run


```
28         printf("The difference
           is %d\n", a - b);
29     else if(choice == 3)
30         printf("The product is
           %d\n", a*b);
31     else if(choice == 4)
32         printf("The division is
           %d\n",a/b);
33     else if(choice == 5)
34         printf("The remainder
           is %d\n",a%b);
35     else if(choice == 6)
36     {
37         if(a == b)
38             printf("True\n");
39     }
40     else if(choice == 7)
41     {
42         if(a>b)
43             printf("True\n"
44                 );
45     }
46     else if(choice == 8)
```

Run

```
{  
    if(a < b)  
        printf("True\n");  
}  
else if(choice == 9)  
{  
    if(a >= b)  
        printf("True\n");  
}  
else if(choice == 10)  
{  
    if(a <= b)  
        printf("True\n");  
}  
else if(choice == 11)  
{  
    break;  
}  
else  
    printf("Invalid  
choice\n");
```

Run

6: To check if two numbers are equal
7: To check if first number is greater than second number
8: To check if second number is greater than first number
9: To check if first number is greater than or equal to second number
10: To check if second number is greater than or equal to first number
11: Quit

Please choose option:

1

The sum is 133

Please choose option:

4

The division is 0

Please choose option:

9

Please choose option:

11

[Process completed - press Enter]

Enter two numbers:

56 77

Menu :

1: To find the addition of two numbers

2: To find the subtraction of two number
s

3: To find the multiplication of two num
bers

4: To find the division of two numbers

5: To find the remainder of two numbers

6: To check if two numbers are equal

7: To check if first number is greater t
han second number

8: To check if second number is greater
than first number

9: To check if first number is greater t
han or equal to second number

10: To check if second number is greater
than or equal to first number

11: Quit

Please choose option:

1


```
#include<stdio.h>
float sumaver(int, int);
void printeven(int , int);

int main()
{
    int a,b,c;
    printf("Enter three numbers:\n");
    scanf("%d %d %d",&a,&b,&c);
    float average;
    if(c < a && c < b)
    {
        average = sumaver(a,b);
        if(a<b)
            printeven(a,b);
        else
            printeven(b,a);
    }
    else if(a<b && a<c)
    {
        average = sumaver(c,b);
        if(c<b)
            printeven(c,b);
        else
            printeven(b,c);
    }
    else if(b<a && b<c)
    {
        average = sumaver(a,c);
        if(c<a)
            printeven(c,a);
        else
            printeven(a,c);
    }
}
```

```

0      {
1          average = sumaver(c,b);
2          if(c<b)
3              printeven(c,b);
4          else
5              printeven(b,c);
6      }
7      else if(b<a && b<c)
8      {
9          average = sumaver(a,c);
10         if(c<a)
11             printeven(c,a);
12         else
13             printeven(a,c);
14     }
15     printf("The average of two numbers:%f\n",average);
16 }
17
18 float sumaver(int p, int q)
19 {
20     int sum = p + q;
21     return sum/2.0;
22 }
23
24 void printeven(int p, int q)
25 {
26     int i;
27     printf("The even numbers are:\n");
28     for(i=p+1;i<q;i++)
29     {
30         if(i % 2 == 0)
31             printf("%d\n",i);
32     }
33 }

```



```

0
1 average = sumaver(c,b);
2 (c<b)
3 printeven(c,b);
4 se
5 printeven(b,c);
6
7 (b<a && b<c)
8
9 average = sumaver(a,c);
10 (c<a)
11 printeven(c,a);
12 se
13 printeven(a,c);
14
15 "The average of two numbers:%f",average);
16
17
18 er(int p, int q)
19
20 = p + q;
21 sum/2.0;
22
23
24 ven(int p, int q)
25
26
27 "The even numbers are:\n");
28 +1;i<q;i++)
29
30 i % 2 == 0)
31 printf("%d\n",i);
32
33

```

Enter three numbers:

76

78

99

The even numbers are:

80

82

84

86

88

90

92

94

96

98

The average of two numbers:88.500000

[Process completed - press Enter]