

1) #include <stdio.h>  
int main()  
{  
 int x, y, option;  
 printf("Enter the numbers:\n");  
 scanf("%d %d", &x, &y);  
 printf(" 1. Addition\n 2. Subtraction\n 3. Multiplication\n 4. Division\n 5. Remainder operator\n 6. >\n 7. <\n 8. =\n 9. !=\n 10. Square operation\n -1. Exit\n");  
 printf("Enter the option\n");  
 scanf("%d", &option);  
 while (option != -1)  
 {  
 switch (option)  
 {  
 case 1:  
 printf("Sum of %d and %d = %d\n", x, y, x+y);  
 break;  
 case 2:  
 printf("Difference of %d and %d = %d\n", x, y, x-y);  
 break;  
 case 3:  
 printf("Multiplication of %d and %d = %d\n", x, y, x\*y);  
 break;  
 case 4:  
 printf("Division of %d and %d = %d\n", x, y, x/y);  
 break;  
 case 5:  
 printf("Remainder operation of %d and %d = %d\n", x, y, x%y);  
 break;  
 case 6:  
 if (xy > x)  
 {  
 // code for case 6  
 }  
 else  
 {  
 // code for case 6  
 }  
 }  
 }  
}

```
printf ("%d is greater than %d\n", y, x);
}
else if (x > y)
{
    printf ("%d is greater than %d\n", x, y);
}
break;
case 7:
if (y < x)
{
    printf ("%d is less than %d\n", y, x);
}
else if (x < y)
{
    printf ("%d is less than %d\n", x, y);
}
break;
case 8:
if (y == x)
{
    printf ("Equal\n");
}
else
{
    printf ("Unequal\n");
}
break;
case 9:
if (y != x)
{
    printf ("Not equals\n");
}
else
{
    printf ("Equal\n");
}
break;
case 10:
printf ("Square of %d = %d\n", x, x*x);
printf ("Square of %d = %d\n", y, y*y);
```

```
break;  
default :  
printf (" Invalid option\n");  
break;  
}  
scanf ("%c-%c", &option);  
}  
return 0;  
}
```

2) # include < stdio.h >

```
float Sumaver (int, int);  
void printeven (int, int);  
int main ()  
{  
    int a, b, c, p, q;  
    float avg;  
    printf ("Enter 3 no \n");  
    scanf ("%d %d %d", &a, &b, &c);  
    if (a < b && a < c)  
    {  
        p = b;  
        q = c;  
    }  
    else if (b < a && b < c)  
    {  
        p = a;  
        q = c;  
    }  
    else if (c < a && c < b)  
    {  
        p = a;  
        q = b;  
    }  
    avg = Sumaver (p, q);  
    printf ("Average = %.f \n", avg);  
    printeven (p, q);  
    return 0;  
}  
  
float Sumaver (int p, int q)  
{  
    printf ("Sum = %.d \n", p+q);  
    return (p+q)/2.0;
```

```

void printeven (int p, int q)
{
    int m, n=0;
    if (p > q)
    {
        printf ("All the even no between the given two
numbers ");
    }
    for (m=q+1; m < p; m++)
    {
        if (m % 2 == 0)
        {
            printf ("%d \t", m);
            n++;
        }
    }
    else
    {
        printf ("All the even no between the given two numbers: ");
    }
    for (m=p+1; m < q; m++)
    {
        if (m % 2 == 0)
        {
            printf ("%d \t", m);
            n++;
        }
    }
    if (n == 0)
        printf ("No even numbers between the given two
numbers (%d) ");
}

```

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main.c

```
1 // Online C Compiler.
2 // Code, Compile, Run and Debug C program online
3 // Write your code in this editor and press "Run" button to com
4 ****
5 #include <stdio.h>
6 float sumaver(int,int);
7 void printeven(int,int);
8 int main()
9 {
10     int a,b,c,p,q;
11     float avg;
12     printf("Enter 3 numbers\n");
13     scanf("%d%d%d",&a,&b,&c);
14     if(a<b&&a<c)
15     {
16         p=b;
17         q=c;
18     }
19     else if(b<a&&b<c)
20     {
21         p=a;
22         q=c;
23     }
24     else if(c<a&&c<b)
25     {
26 }
```

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Run

Debug

Stop

Share

Save

Beautify



main.c

```
26      }
27      else if(c<a&&c<b)
28      {
29          p=a;
30          q=b;
31      }
32      avg=sumaver(p,q);
33      printf("Average=%f\n",avg);
34      printeven(p,q);
35      return 0;
36  }
37  float sumaver(int p,int q)
38  {
39
40      printf("Sum=%d\n",p+q);
41      return (p+q)/2.0;
42  }
43  void printeven(int p,int q)
44  {
45      int m,n=0;
46      if(p>q)
47      {
48          printf("All the even numbers between the given two numbers are:");
49          for(i=q+1;m<p;m++)
50          {
51              if(m%2==0)
52              {
53                  printf("%d\t",m);
54              }
55          }
56      }
57  }
```

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main.c

```
50  for(m=q+1;m<p;m++)
51  {
52      if(m%2==0)
53      {
54          printf("%d\t",m);
55          n=1;
56      }
57  }
58 else
59 {
60     printf("All the even numbers between the given two numbers:");
61     for(m=p+1;m<q;m++)
62     {
63         if(m%2==0)
64         {
65             printf("%d\t",m);
66             n=1;
67         }
68     }
69 }
70 if(n==0)
71     printf("No even numbers between the given two numbers\n");
72 }
73
```

input

Enter 3 numbers

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main.c

```
    (m < q ? m : p); m++)
{
    if(m == 0)
    {
        printf("%d\t", m);
        n=1;
    }
}
```

Enter 3 numbers

10 6 20

Sum=30

Average=15.00000

All the even numbers between the given two numbers:12 14

16

18

...Program finished with exit code 0

Press ENTER to exit console.

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main.c

```
#include <stdio.h>
#include <math.h>
int main()
{
    int x, y, option;
    printf("Enter the numbers: \n");
    scanf("%d%d", &x, &y);
    printf("1.Addition\n 2.Subtraction\n 3.Multiplication\n
        4.Division\n 5.Remainder operator\n 6. > \n 7. < \n 8.= \n
        9. != \n 10.square operation\n -1.Exit\n");
    printf("Enter the option \n");
    scanf("%d", &option);
    while (option != -1)
    {
        switch (option)
        {
            case 1:
                printf("Sum of %d and %d = %d\n", x, y, x + y);
                break;
            case 2:
                printf("Difference of %d and %d = %d\n", x, y, x - y);
                break;
            case 3:
                printf("Multiplication of %d and %d =%d\n", x, y, x * y);
                break;
            case 4:
                printf("Division of %d and %d =%d\n", x, y, x / y);
                break;
            case 5:
                break;
        }
    }
}
```

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main.c

```
27     printf("Division of %d and %d =%d\n", x, y, x / y);
28     break;
29 case 5:
30     printf("Remainder operation of %d and %d =%d\n", x, y, x % y);
31     break;
32 case 6:
33     if (y > x)
34     {
35         printf("%d is greater than %d\n", y, x);
36     }
37     else if (x > y)
38     {
39         printf("%d is greater than %d\n", x, y);
40     }
41     break;
42 case 7:
43     if (y < x)
44     {
45         printf("%d is less than %d\n", y, x);
46     }
47     else if (x < y)
48     {
49         printf("%d is less than %d\n", x, y);
50     }
51     break;
52 case 8:
53
54     if (y == x)
55     {
```

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← → C ⌂ [onlinegdb.com/online\\_c\\_compiler](https://onlinegdb.com/online_c_compiler)

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main.c

```
54     if (y == x)
55     {
56         printf("Equals\n");
57     }
58     else
59     {
60         printf("Unequals\n");
61     }
62     break;
63 case 9:
64
65     if (y != x)
66     {
67         printf("Not equals\n");
68     }
69     else
70
71         printf("Equals\n");
72     break;
73
74 case 10:
75
76     printf("Square of %d=%d\n", x, x * x);
77     printf("Square of %d=%d\n", y, y * y);
78     break;
79 default:
80     printf("Invalid option\n");
```

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main.c

```
63     break;
64 case 9:
65
66     if (y != x)
67     {
68         printf("Not equals\n");
69     }
70 else
71
72     printf("Equals\n");
73     break;
74
75 case 10:
76
77     printf("Square of %d=%d\n", x, x * x);
78     printf("Square of %d=%d\n", y, y * y);
79     break;
80 default:
81     printf("Invalid option\n");
82
83     break;
84 }
85 scanf("%d", &option);
86
87
88 }
89 return 0;
90 }
```



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```
Enter the numbers:  
20 5  
1.Addition  
2.Subtraction  
3.Multiplication  
4.Division  
5.Remainder operator  
6. >  
7. <  
8.=  
9. !=  
10.square operation  
-1.Exit  
Enter the option  
1  
Sum of 20 and 5 = 25  
2  
Difference of 20 and 5 = 15  
3  
Multiplicationn of 20 and 5 =100  
4  
Division of 20 and 5 =4  
5  
Remainder operation of 20 and 5 =0  
6  
20 is greater than 5  
7  
5 is less than 20  
8
```

```
10.square operation
-1.Exit
Enter the option
1
Sum of 20 and 5 = 25
2
Difference of 20 and 5 = 15
3
Multiplicationn of 20 and 5 =100
4
Division of 20 and 5 =4
5
Remainder operation of 20 and 5 =0
6
20 is greater than 5
7
5 is less than 20
8
Unequals
9
Not equals
10
Square of 20=400
Square of 5=25
-1
```

...Program finished with exit code 0

Press ENTER to exit console.



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