

main.c

Language C

```
1 #include <stdio.h>
2 #include <math.h>
3 int main()
4 {
5     int x, y, option;
6     printf("Enter the numbers: \n");
7     scanf("%d%d", &x, &y);
8     printf("1.Addition\n 2.Subtraction\n 3.Multiplication\n 4.Division\n 5.Remainder operator\n 6. > \n 7. < \n 8.");
9     printf("Enter the option \n");
10    scanf("%d", &option);
11    while (option != -1)
12    {
13        switch (option)
14        {
15            case 1:
16                printf("Sum of %d and %d = %d\n", x, y, x + y);
17                break;
18            case 2:
19                printf("Difference of %d and %d = %d\n", x, y, x - y);
20                break;
21            case 3:
22                printf("Multiplicationn of %d and %d = %d\n", x, y, x * y);
23        }
```

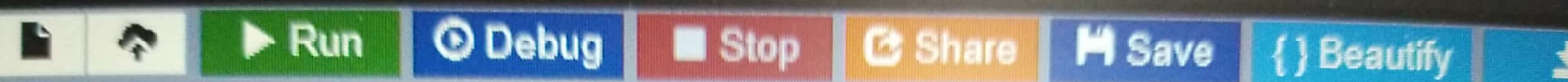
```
main.c
22     printf("Multiplicationn of %d and %d =%d\n", x, y, x * y);
23     break;
24 case 4:
25     printf("Division of %d and %d =%d\n", x, y, x / y);
26     break;
27 case 5:
28     printf("Remainder operation of %d and %d =%d\n", x, y, x % y);
29     break;
30 case 6:
31     if (y > x)
32     {
33         printf("%d is greater than %d \n", y, x);
34     }
35     else if (x > y)
36     {
37         printf("%d is greater than %d\n", x, y);
38     }
39     break;
40 case 7:
41     if (y < x)
42     {
43         printf("%d is less than %d\n", y, x);
44     }
```

```

41     if (y < x)
42     {
43         printf("%d is less than %d \n", y, x);
44     }
45     else if (x < y)
46     {
47         printf("%d is less than %d\n", x, y);
48     }
49     break;
50 case 8:
51
52     if (y == x)
53     {
54         printf("Equals\n");
55     }
56     else
57
58     {
59         printf("Unequals\n");
60     }
61     break;
62 case 9:
63
64

```

input



main.c

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

Command line arguments:

Standard Input ☒ Interactive Console☐ Text

Input

in.c

```
7      }
68     else
69
70         printf("Equals\n");
71         break;
72
73     case 10:
74
75         printf("Square of %d=%d\n", x, x * x);
76         printf("Square of %d=%d\n", y, y * y);
77         break;
78     default:
79         printf("Invalid option\n");
80
81         break;
82     }
83     scanf("%d",&option);
84
85
86 }
87 return 0;
88 }
```


Enter the numbers:

24

25

1.Addition

2.Subtraction

3.Multiplication

4.Division

5.Remainder operator

6. >

7. <

8.=

9. !=

10.square operation

-1.Exit

Enter the option

6

25 is greater than 24

☐ I

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,p,q;
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         p=b;
13         q=c;
14     }
15     else if(b<a&&b<c)
16     {
17         p=a;
18         q=c;
19     }
20     else if(c<a&&c<b)
21     {
22         p=a;
23         q=b;

```

```

22     }
23     q = b;
24 }
25 avg = sumaver(p,q);
26 printf("Average=%f\n",avg);
27 printeven(p,q);
28 return 0;
29 }
30 float sumaver(int p,int q)
31 {
32
33     printf("Sum=%d\n",p+q);
34     return (p+q)/2.0;
35 }
36 void printeven(int p,int q)
37 {
38     int i,e=0;
39     if(p>q)
40     {
41         printf("All the even numbers between the given two numbers:");
42         for(i=q+1;i<p;i++)
43         {
44             if(i%2==0)
45             {

```

input


```

43     {
44         if(i%2==0)
45         {
46             printf("%d\t",i);
47             e=1;
48         }
49     }
50 }
51 else
52 {
53     printf("All the even numbers between the given two numbers:");
54     for(i=p+1;i<q;i++)
55     {
56         if(i%2==0)
57         {
58             printf("%d\t",i);
59             e=1;
60         }
61     }
62 }
63 if(e==0)
64     printf("No even numbers between the given two numbers\n");
65 }

```

```
input
Enter 3 numbers
5 6 8
Sum=14
Average=7.000000
All the even numbers between the given two numbers:No even numbers between the given two numbers

...Program finished with exit code 0
Press ENTER to exit console.[]
```