

```

1  #include <stdio.h>
2  float
3  sumaver (int x, int y)
4  {
5      printf ("Sum: %d\n", x + y);
6      return ((x + y) / 2.0);
7  }
8
9  void
10 printeven (int x, int y)
11 {
12     printf ("All the even numbers from %d to %d\n", y, x);
13     if (y % 2 != 0)
14         y = y + 1;
15
16     for (int i = y; i <= x; i += 2)
17         printf ("%d ", i);
18
19 }
20
21
22 int
23 main ()
24 {
25     int a[3], g1, g2, t;
26     printf ("Enter the three numbers\n");
27     scanf ("%d%d%d", &a[0], &a[1], &a[2]);
28     for (int i = 0; i < 3; i++)
29     {
30         for (int j = i + 1; j < 3; j++)
31         {
32             if (a[i] < a[j])
33             {
34                 t = a[i];
35                 a[i] = a[j];
36                 a[j] = t;
37             }
38         }
39     }
40
41     g1 = a[0];
42     g2 = a[1];
43     float aver = sumaver (g1, g2);
44     printf ("Average: %f\n", aver);
45     printeven (g1, g2);
46     return 0;
47 }

```

Enter the three numbers

1 2 3

Sum: 5

Average: 2.500000

All the even numbers from 2 to 3

2

...Program finished with exit code 0

Press ENTER to exit console.[]



```

1  #include <stdio.h>
2  #include <math.h>
3  int main()
4  {
5      int ch=1,c,d;
6      float a,b;
7      while(ch!=11)
8      {
9          printf("\nChoose an operation : \n1.+ \n2.- \n3.* \n4./ \n5.% \n6.^ \n7.== \n8.< \n9.> \n10.!= \n11.Stop");
10         scanf("%d",&ch);
11         switch(ch)
12         {
13
14             case 1:
15                 printf("Enter two numbers:\n");
16                 scanf("%f%f",&a,&b);
17                 printf("%f + %f = %f",a,b,a+b);
18                 break;
19
20             case 2:
21                 printf("Enter two numbers:\n");
22                 scanf("%f%f",&a,&b);
23                 printf("%f - %f = %f",a,b,a-b);
24                 break;
25
26             case 3:
27                 printf("Enter two numbers:\n");
28                 scanf("%f%f",&a,&b);
29                 printf("%f * %f = %f",a,b,a*b);
30                 break;
31
32             case 4:
33                 printf("Enter two numbers:\n");
34                 scanf("%f%f",&a,&b);
35                 printf("%f / %f = %f",a,b,a/b);
36                 break;
37
38             case 5:
39                 printf("Enter two integers:\n");
40                 scanf("%d%d",&c,&d);
41                 printf("%d %% %d = %d",c,d,c%d);
42                 break;
43
44             case 6:
45                 printf("Enter two numbers:\n");

```

```
40     printf("Enter two numbers:\n");
41     scanf("%f%f",&a,&b);
42     printf("%f ^ %f = %f",a,b,pow(a,b));
43     break;
44 case 7:
45     printf("Enter two numbers:\n");
46     scanf("%f%f",&a,&b);
47     printf("%f == %f = %d",a,b,a==b);
48     break;
49 case 8:
50     printf("Enter two numbers:\n");
51     scanf("%f%f",&a,&b);
52     printf("%f < %f = %d",a,b,a<b);
53     break;
54 case 9:
55     printf("Enter two numbers:\n");
56     scanf("%f%f",&a,&b);
57     printf("%f > %f = %d",a,b,a>b);
58     break;
59 case 10:
60     printf("Enter two numbers:\n");
61     scanf("%f%f",&a,&b);
62     printf("%f != %f = %d",a,b,a!=b);
63     break;
64 case 11:
65     return 0;
66 default:
67     printf("Invalid Entry");
68
69
70 }
71
72 }
73 return 0;
74
75 }
```

Choose an operation :

- 1.+
- 2.-
- 3.\*
- 4./
- 5.%
- 6.^
- 7.==
- 8.<
- 9.>
- 10.!=
- 11.Stop1

Enter two numbers:

5 4

$5.000000 + 4.000000 = 9.000000$

Choose an operation :

- 1.+
- 2.-
- 3.\*
- 4./
- 5.%
- 6.^
- 7.==
- 8.<
- 9.>
- 10.!=
- 11.Stop2

Enter two numbers:

2 3

$2.000000 - 3.000000 = -1.000000$

Choose an operation :

- 1.+
- 2.-
- 3.\*
- 4./
- 5.%
- 6.^
- 7.==

```
4./
5.%
6.^
7.==
8.<
9.>
10.!=
11.Stop2
Enter two numbers:
2 3
2.000000 - 3.000000 = -1.000000
Choose an operation :
1.+
2.-
3.*
4./
5.%
6.^
7.==
8.<
9.>
10.!=
11.Stop10
Enter two numbers:
3 5
3.000000 != 5.000000 = 1
Choose an operation :
1.+
2.-
3.*
4./
5.%
6.^
7.==
8.<
9.>
10.!=
11.Stop
```