```c
#include<stdio.h>

int main()
{
    int a,b;
    printf("Enter two numbers:\n");
    scanf("%d %d",&a,&b);
    printf("Menu :   \n");
    printf("1: To find the addition of two numbers\n");
    printf("2: To find the subtraction of two numbers\n");
    printf("3: To find the multiplication of two numbers\n");
    printf("4: To find the division of two numbers\n");
    printf("5: To find the remainder of two numbers\n");
    printf("6: To check if two numbers are equal\n");
    printf("7: To check if first number is greater than second number\n");
    printf("8: To check if second number is greater than first number\n");
    printf("9: To check if first number is greater than or equal to second number\n");
    printf("10: To check if second number is greater than or equal to first number\n");
    printf("11: Quit\n");
    while(1)
    {
        printf("Please choose option:\n");
        int choice;
        scanf("%d",&choice);
        if( choice == 1)
            printf("The sum is %d",a + b);
        else if(choice == 2)
            printf("The difference is %d", a - b);
        else if(choice == 3)
            printf("The product is %d", a*b);
        else if(choice == 4)
            printf("The divison is %d",a/b);
        else if(choice == 5)
            printf("The remainder is %d",a%b);
        else if(choice == 6)
        {
            if(a == b)
                printf("True");
        }
        else if(choice == 7)
        {
            if(a>b)
                printf("True");
        }
        else if(choice == 8)
        {
```

```c
26          printf("The sum is %d",a + b);
27      else if(choice == 2)
28          printf("The difference is %d", a - b);
29      else if(choice == 3)
30          printf("The product is %d", a*b);
31      else if(choice == 4)
32          printf("The divison is %d",a/b);
33      else if(choice == 5)
34          printf("The remainder is %d",a%b);
35      else if(choice == 6)
36      {
37          if(a == b)
38              printf("True");
39      }
40      else if(choice == 7)
41      {
42              if(a>b)
43                  printf("True");
44      }
45      else if(choice == 8)
46      {
47          if(a < b)
48              printf("True");
49      }
50      else if(choice == 9)
51      {
52          if(a >= b)
53              printf("True");
54      }
55      else if(choice == 10)
56      {
57          if(a <= b)
58              printf("True");
59      }
60      else if(choice == 11)
61      {
62          break;
63      }
64      else
65          printf("Invalid choice");
66      }
67
68  }
69
```

```
Enter two numbers:
45 78
Menu :
1: To find the addition of two numbers
2: To find the subtraction of two numbers
3: To find the multiplication of two numbers
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 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 123
Please choose option:
4
The divison is 0
Please choose option:
6
Please choose option:
11

Process returned 0 (0x0)   execution time : 26.742 s
Press any key to continue.
```

```c
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);
    }
    printf("The average of two numbers:%f",average);
}

float sumaver(int p, int q)
{
    int sum = p + q;
    return sum/2.0;
}

void printeven(int p, int q)
{
    int i;
    printf("The even numbers are:\n");
    for(i=p+1;i<q;i++)
    {
        if(i % 2 == 0)
            printf("%d\n",i);
```

```
enter three numbers:
12 34 56
The even numbers are:
36
38
40
42
44
46
48
50
52
54
The average of two numbers:45.000000
Process returned 0 (0x0)   execution time : 10.527 s
Press any key to continue.
```