```c
#include<stdio.h>
#include<math.h>
int main()
{

    int a,b,choice;
     printf("enter 1st Number\n");
    scanf("%d",&a);
    printf("enter 2nd Number\n");
    scanf("%d",&b);
    do
    {
    printf("calculator \n");
    printf("Enter 1 for addition\n");
    printf("Enter 2 for substraction\n");
    printf("Enter 3 for multiplication\n");
    printf("Enter 4 for division\n");
    printf("Enter 5 for less than\n");
    printf("Enter 6 for greater than \n");
    printf("Enter 7 to even or odd \n");
    printf("Enter 8 to find modulas\n");
    printf("Enter 9 for checking square\n");
    printf("Enter 10 for not equal to \n");
    scanf("%d",&choice);

    switch(choice)
    {
        case 1:
        printf("%d+%d=%d",a,b,a+b);
        break;
        case 2:
        printf("%d-%d= %d",a,b,a-b);
        break;
        case 3:
        printf("%d*%d=%d",a,b,a*b);
        break;
```

input

Press ENTER to exit console

```c
        case 3:
        printf("%d*%d=%d",a,b,a*b);
        break;
        case 4:
        printf("%d/%d=%d",a,b,a/b);
        break;
        case 5:if(a<b)
        {
            printf("%d",a);
        }
        else if(b<a)
        {
            printf("%d",b);
        }
        else
        printf("equal");
        break;
        case 6:if(a>b)
        {
            printf("%d",a);
        }
        else if(b>a)
        {
            printf("%d",b);
        }
        else
        printf("equal");
        break;
        case 7:
        if(a%2==0)
        printf("%d is even",a);
        else
        printf("%d is odd",a);
        if(b%2==0)
        printf("%d is even",b);
        else
```

input

Press ENTER to exit console

```c
52      {
53          printf("%d",a);
54      }
55      else if(b>a)
56      {
57          printf("%d",b);
58      }
59      else
60      printf("equal");
61      break;
62      case 7:
63      if(a%2==0)
64      printf("%d is even",a);
65      else
66      printf("%d is odd",a);
67      if(b%2==0)
68      printf("%d is even",b);
69      else
70      printf("%d is odd",b);
71      break;
72      case 8:
73      printf("%d",a,b,a%b);
74      break;
75      case 9:
76      printf("%d \t %d ",a*a,b*b);
77      break;
78      case 10:
79      printf("%d!=%d=%d",a,b,a!=b);
80      break;
81      default:
82      printf("invalid\n");
83      break;
84      }
85  }
86  while(choice!=1);
87 }
```

input

```
52      {
53          printf("%d",a);
54      }
55      else if(b>a)
56      {
```

input

```
enter 1st Number
2
enter 2nd Number
3
calculator
Enter 1 for addition
Enter 2 for substraction
Enter 3 for multiplication
Enter 4 for division
Enter 5 for less than
Enter 6 for greater than
Enter 7 to even or odd
Enter 8 to find modulas
Enter 9 for checking square
Enter 10 for not equal to
7
2 is even3 is oddcalculator
Enter 1 for addition
Enter 2 for substraction
Enter 3 for multiplication
Enter 4 for division
Enter 5 for less than
Enter 6 for greater than
Enter 7 to even or odd
Enter 8 to find modulas
Enter 9 for checking square
Enter 10 for not equal to
7
```

```
main.c
    52        {
    53            printf("%d",a);
    54        }
    55        else if(b>a)
    56        {
```

input

```
7
2 is even3 is oddcalculator
Enter 1 for addition
Enter 2 for substraction
Enter 3 for multiplication
Enter 4 for division
Enter 5 for less than
Enter 6 for greater than
Enter 7 to even or odd
Enter 8 to find modulas
Enter 9 for checking square
Enter 10 for not equal to
5
2calculator
Enter 1 for addition
Enter 2 for substraction
Enter 3 for multiplication
Enter 4 for division
Enter 5 for less than
Enter 6 for greater than
Enter 7 to even or odd
Enter 8 to find modulas
Enter 9 for checking square
Enter 10 for not equal to
1
2+3=5

...Program finished with exit code 0
```

```c
#include <stdio.h>
float sumaver(int l, int l2)
{
    float avg=0; int sum=0 ;
    sum = (l + l2);
    avg =  (sum)/2;
    printf("Sum is:%d\n", sum);
    return avg;

}
void printeven(int l, int l2)
{
    int i;
    printf("Even numbers are:\n ");
    for(i=l2; i<l; i++)
    {
        if(i%2 == 0)
        {
            printf(" %d ",i);
        }
    }
}
void main()
{
    int a ,b, c, l, l2;
    printf("Enter the any 3 number: ");
    scanf("%d%d%d", &a,&b,&c);
    if (a>b && a>c)
    l = a;
    if (b>a && b>c)
    l = b;
    else
    l = c;
    if(a==l)
    {
        if(b>c)
```

input

Press ENTER to exit console.

```c
22  }
23  void main()
24  {
25      int a ,b, c, l, l2;
26      printf("Enter the any 3 number: ");
27      scanf("%d%d%d", &a,&b,&c);
28      if (a>b && a>c)
29      l = a;
30      if (b>a && b>c)
31      l = b;
32      else
33      l = c;
34      if(a==l)
35      {
36          if(b>c)
37              l2=b;
38          else
39              l2=c;
40      }
41      if(b==l)
42      {
43          if(a>c)
44              l2=a;
45          else
46              l2=c;
47      }
48      if(c==l)
49      {
50          if(a>b)
51              l2=a;
52          else
53              l2=b;
54      }
55      printf("Average is:%.1f\n ",sumaver(l, l2));
56      printeven(l, l2);
57  }
```

input

Press ENTER to exit console.

```c
22  }
23  void main()
24  {
25      int a ,b, c, l, l2;
26      printf("Enter the any 3 number: ");
```

input

```
Enter the any 3 number: 2 2 2
Sum is:4
Average is:2.0
 Even numbers are:


...Program finished with exit code 2
Press ENTER to exit console.
```