```c
#include<stdio.h>

int main()
{
    int a,b,i,choice;
    printf("enter two no's\n");
    scanf("%d%d",&a,&b);
    printf("chart of operations\n");
    printf("1: addition of two no's\n");
    printf("2: subtraction of two no's\n");
    printf("3: multiplication of two no's\n'
    printf("4: division of two no's\n");
    printf("5: check if first no is smaller
    printf("6: check if second no is smaller
    printf("7: check if first no is greater
    printf("8: check if second no is greater
    printf("9: check if two no's are equal\n
    printf("10: to quit\n");
    while(i)
    {printf("enter your choice\n");
    scanf("%d",&choice);

    if(choice==1)
    { printf("the sum is = %d\n",a+b);
    }
    else if(choice==2)
    { printf("the difference is = %d\n",a-b)
    }
    else if(choice==3)
    { printf("the product is =%d\n",a*b);
    }
    else if(choice==4)
    { printf("the ans is =%d\n",a/b);
    }
    else if(choice==5)

    {
    if(a<b)
    printf("the %d is smaller than %d\n",a,b
    else
```

Tab   {}   " "   ;

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```c
34      }
35      else if(choice==5)
36
37      {
38      if(a<b)
39      printf("the %d is smaller than %d\n",a,b
40      else
41
42      printf("false\n");
43      }
44      else if(choice==6)
45      {
46      if(b<a)
47      printf("the %d is smaller than %d\n",b,a
48
49      else
50
51      printf("false\n");
52      }
53      else if(choice==7)
54      {
55      if(a>=b)
56      printf("the %d is greater than or equal
57
58       else
59
60      printf("false\n");
61      }
62
63
64      else if(choice==8)
65      {
66
67      if(b>=a)
68      printf("the %d is greater than or equal
69      else
70
71      printf("false\n");
72       }
73      else if(choice==9)
74      {
```

```c
51         printf("false\n");
52     }
53     else if(choice==7)
54     {
55     if(a>=b)
56     printf("the %d is greater than or equal

58      else

60     printf("false\n");
61     }

64     else if(choice==8)
65     {

67     if(b>=a)
68     printf("the %d is greater than or equal
69     else

71     printf("false\n");
72      }
73     else if(choice==9)
74     {
75     if(a==b)
76     printf("%d=%d\n",a,b);
77     else

79     printf("false\n");

81     }
82     else if(choice==10)
83     {
84     break;
85     }
86    else
87     printf("entered invalid choice\n");
88     }

90     return 0;
91 }
```

```
enter two no's
2
3
chart of operations
1: addition of two no's
2: subtraction of two no's
3: multiplication of two no's
4: division of two no's
5: check if first no is smaller than the seco
nd no
6: check if second no is smaller than the fir
st no
7: check if first no is greater than or equal
 to second no
8: check if second no is greater than or equa
l to first no
9: check if two no's are equal
10: to quit
enter your choice
1
the sum is = 5
enter your choice
3
the product is =6
```

```
4: division of two no's
5: check if first no is smaller than the seco
nd no
6: check if second no is smaller than the fir
st no
7: check if first no is greater than or equal
 to second no
8: check if second no is greater than or equa
l to first no
9: check if two no's are equal
10: to quit
enter your choice
1
the sum is = 5
enter your choice
3
the product is =6
enter your choice
9
false
enter your choice
10

[Process completed - press Enter]
```

```c
#include<stdio.h>
float sumaver(int,int);
void printeven(int,int);
float sumaver(int p,int q)
    {
    int sum;
    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);
    }
    }
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(b,c);
    if(b<c)
    printeven(b,c);
    else
    printeven(c,b);
```

Tab   {}   " "   ;

=   \   &   ,

```
17      printf("%u \n ",i);
18      }
19      }
20  int main()
21  {
22      int a,b,c;
23      printf("enter three numbers\n");
24      scanf("%d%d%d",&a,&b,&c);
25      float average;
26      if(c<a&&c<b)
27      {
28      average=sumaver(a,b);
29      if(a<b)
30      printeven(a,b);
31      else
32      printeven(b,a);
33      }
34      else if(a<b&&a<c)
35      {
36      average=sumaver(b,c);
37      if(b<c)
38      printeven(b,c);
39      else
40      printeven(c,b);
41      |
42      }
43      lse if(b<a&&b<c)
44      {
45      average=sumaver(a,c);
46      if(c<a)
47      printeven(c,a);
48      else
49      printeven(a,c);
50
51      }
52
53      printf("the average of large no is =%f\n
54
55
56      return 0;
57  }
```

```
enter three numbers
32
45
54
the even numbers are
46
48
50
52
the average of large no is =49.500000

[Process completed - press Enter]
```