```c
#include <stdio.h>
int main ()
{
 int c,a,b,i;
 while(1)
 {
 printf("Press the number to choose the operation:\n");
 printf("1)Add\n");
 printf("2)Subtract\n");
 printf("3)Multiply\n");
 printf("4)Divide\n");
 printf("5)Modulus\n");
 printf("6)Greater than\n");
 printf("7)Lesser than\n");
 printf("8)Equal to\n");
 printf("9)Not equal to\n");
 printf("10)Increement\n");
 scanf("%d",&i);
 printf("Enter two numbers to perform the selected operation:\n");
 scanf("%d%d",&a,&b);
 switch(i)
```

```
{
  case 1:printf("%d+%d=%d\n",a,b,a+b);break;
  case 2:printf("%d-%d=%d\n",a,b,a-b);break;
  case 3:printf("%d*%d=%d\n",a,b,a*b);break;
  case 4:printf("%d/%d=%d\n",a,b,a/b);break;
  case 5:printf("%dmod%d=%d\n",a,b,a%b);break;
  case 6:if(a>b)
              {
                 printf("%d>%d\n",a,b);

              }
              else
              {
                 printf("%d>%d\n",b,a);

              }
              break;
  case 7:if(a<b)
              {
                 printf("%d<%d\n",a,b);
```

```
                }
                else
                {
                    printf("%d<%d\n",b,a);

                }
                break;
    case 8:if(a==b)
                {
                    printf("%d=%d\n",a,b);

                }
                else
                {
                    printf("%d!=%d\n",b,a);

                }
                break;
    case 9:if(a!=b)
                {
                    printf("%d!=%d\n",a,b);
```

```c
                    }
                    else
                    {
                        printf("%d!=%d\n",b,a);

                    }
                    break;
case 10:
                    printf("%d++=%d\n",a,a+1);
                    printf("%d++=%d\n",b,b+1);
                    break;
default:printf("Wrong Input!\n");
}
printf("Press 1 to perform calculation again\nPress any other key to leave\n")
scanf("%d",&c);
if(c!=1)
                    {
                    break;
                    }
            }
        }
```

```
Press the number to choose the operation:
1)Add
2)Subtract
3)Multiply
4)Divide
5)Modulus
6)Greater than
7)Lesser than
8)Equal to
9)Not equal to
10)Increment
1
Enter two numbers to perform the selected operation:
4 44
4+44=48
Press 1 to perform calculation again
Press any other key to leave
_
```

```cpp
#include<stdio.h>
int sumaver(int a,int b)

{
    int sum;
    sum=a+b;
    printf("Sum=%d\n",sum);
    return sum/2;
}
void printeven(int a,int b)
{
    int small,big;
    if(a>b)

    {
        small=b;
        big=a;
    }
    else
    {
```

```cpp
        small=a;
        big=b;
    }

    printf("Even numbers between two numbers are:\n");
    int i;
    for(i=small+1;i<big;i++)
    {

    if(i%2==0)
    printf("%d\n",i);

    }
}
int main()

{

    int a,b,c,avg,g1,g2;
    printf("Enter three numbers:\n");
    scanf("%d%d%d",&a,&b,&c);
    if(c<a&&c<b)

    {
```

```cpp
{
    g1=a;
    g2=b;
}
else if(b<a&&b<c)
{
    g1=a;
    g2=c;
}
else
{
    g1=b;
    g2=c;
}

avg=sumaver(g1,g2);
printf("Average of two numbers is :%d\n",avg);
printeven(g1,g2);

}
```

```
Enter three numbers:
11
22
3
Sum=33
Average of two numbers is :16
Even numbers between two numbers are:
12
14
16
18
20
```