

```
1  #include<stdio.h>
2
3  int main()
4  {
5      int a,b;
6      printf("Enter two numbers:\n");
7      scanf("%d %d",&a,&b);
8      printf("Menu :   \n");
9      printf("1: To find the addition
           of two numbers\n");
10     printf("2: To find the
           subtraction of two
           numbers\n");
11     printf("3: To find the
           multiplication of two
           numbers\n");
12     printf("4: To find the division
           of two numbers\n");
13     printf("5: To find the
           remainder of two numbers\n"
           );
14     printf("6: To check if two
           numbers are equal\n");
```

Run

```
15     printf("7: To check if first
        number is greater than
        second number\n");
16     printf("8: To check if second
        number is greater than
        first number\n");
17     printf("9: To check if first
        number is greater than or
        equal to second number\n");
18     printf("10: To check if second
        number is greater than or
        equal to first number\n");
19     printf("11: Quit\n");
20     while(1)
21     {
22         printf("Please choose
                option:\n");
23         int choice;
24         scanf("%d",&choice);
25         if( choice == 1)
26             printf("The sum is
                    %d\n",a + b);
27         else if(choice == 2)
```

Run

```
28         printf("The difference
           is %d\n", a - b);
29     else if(choice == 3)
30         printf("The product is
           %d\n", a*b);
31     else if(choice == 4)
32         printf("The division is
           %d\n", a/b);
33     else if(choice == 5)
34         printf("The remainder
           is %d\n", a%b);
35     else if(choice == 6)
36     {
37         if(a == b)
38             printf("True\n");
39     }
40     else if(choice == 7)
41     {
42         if(a>b)
43             printf("True\n"
44                 );
45     }
46     else if(choice == 8)
```

Run


```
{
    if(a < b)
        printf("True\n");
}
else if(choice == 9)
{
    if(a >= b)
        printf("True\n");
}
else if(choice == 10)
{
    if(a <= b)
        printf("True\n");
}
else if(choice == 11)
{
    break;
}
else
    printf("Invalid
        choice\n");
```

Run

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 133
Please choose option:
4
The division is 0
Please choose option:
9
Please choose option:
11

[Process completed - press Enter]

Enter two numbers:

56 77

Menu :

1: To find the addition of two numbers

2: To find the subtraction of two number
s

3: To find the multiplication of two num
bers

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 t
han second number

8: To check if second number is greater
than first number

9: To check if first number is greater t
han 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