```c
#include<stdio.h>

int main()
{
    int a,b;
    printf("enter two numbers");
    scanf("%d %d",&a,&b);
    printf("Menu");
    printf(" 1: addition");
    printf(" 2: subtraction");
    printf(" 3: multiplication");
    printf(" 4: remainder");
    printf(" 5: division");
    printf(" 6: two nos are equal");
    printf(" 7: first one greater");
    printf(" 8: second one greater")
    printf(" 9: 1st one greater or e
    printf(" 10: 2nd one greater or
    printf(" 11: Quit\n");
    while(1)
    {
     printf("chose option ");
    int choice;
    scanf("%d",&choice);
    if(choice==1)
    printf("sum=%d", a+b);
```

```c
if(choice==1)
printf("sum=%d",a+b);
else if(choice==2)
printf("difference=%d",a-b);
else if(choice==3)
printf("multiplication=%d",a*b);
else if(choice==4)
printf("remainder=%d",a%b);
else if(choice==5)
printf("division=%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)
{
if(a<b)
printf("true");
}
else if(choice==9)
```

```c
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      }
```

Compile Result

Menu 1: addition 2: subtraction 3: multiplication 4: remainder 5: division 6: two nos are equal 7: first one greater 8: second one greater 9: 1st one greater or equal 10: 2nd one greater or equal 11: Quit
chose option 1
sum=5chose option 3
multiplication=6chose option 2
difference=-1chose option 5
division=0chose option 11

[Process completed - press Enter]