```c
#include<stdio.h>
#include<math.h>
void main()
{
int a,b,c=11;
printf("enter the first number\n");
scanf("%d",&a);
printf("enter the second number\n");
scanf("%d",&b);
while(c!=0)
{
printf("enter the correct choice\n");
printf("1-addition \n 2-substraction \n 3-mutiplication \n 4-division");
printf("5-greatest of nos \n 6-smallest of nos \n 7-if equal \n 8-not equal \n 9-modulus \n 10-power\n");
scanf("%d",&c);
switch(c)
{
case 1: ;
        int s=a+b;
        printf("%d",s);
        break;
case 2: ;
        int su=a-b;
        printf("%d",su);
        break;
case 3: ;
        int m=a*b;
        printf("%d",m);
        break;
case 4: ;
        int d=a/b;
        printf("%d",d);
        break;
case 5:
        if(a>b)
        printf("%d",a);
```

```c
34 case 5:
35         if(a>b)
36         printf("%d",a);
37          else
38         printf("%d",b);
39         break;
40 case 6:
41      if(a<b)
42         printf("%d",a);
43          else
44         printf("%d",b);
45         break;
46 case 7:
47         if(a==b)
48         printf("numbers r equal\n");
49         break;
50 case 8:
51         if(a!=b)
52         printf("numbers r not equal\n");
53         break;
54 case 9: ;
55         int r=a%b;
56         printf("%d",r);
57         break;
58 case 10: ;
59         int p= pow(a,b);
60         printf("%d",p);
61         break;
62 case 11:
63         printf("thank you");
64         break;
65 default :
66         printf("enter the correct choice\n");
67 }
68 }
```

```
enter the first number
5
enter the second number
2
enter the correct choice
1-addition
 2-substraction
 3-mutiplication
 4-division5-greatest of nos
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 7-if equal
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1
7enter the correct choice
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[]
```