```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 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:
```

```c
    case 5:
        if(a>b)
        printf("%d",a);
         else
        printf("%d",b);
        break;
    case 6:
      if(a<b)
        printf("%d",a);
         else
        printf("%d",b);
        break;
    case 7:
        if(a==b)
        printf("numbers r equal\n");
        break;
    case 8:
        if(a!=b)
        printf("numbers r not equal\n");
        break;
    case 9: ;
        int r=a%b;
        printf("%d",r);
        break;
    case 10: ;
        int p= pow(a,b);
        printf("%d",p);
        break;
    case 11:
        printf("thank you");
        break;
 default  :
        printf("enter the correct choice\n");
  }
```

```c
    case 7:
        if(a==b)
        printf("numbers r equal\n");
        break;
    case 8:
        if(a!=b)
        printf("numbers r not equal\n");
        break;
    case 9: ;
        int r=a%b;
        printf("%d",r);
        break;
    case 10: ;
        int p= pow(a,b);
        printf("%d",p);
        break;
    case 11:
        printf("thank you");
        break;
    default  :
        printf("enter the correct choice\n");
    }
}
}
```

enter the first number
5
enter the second number
7
enter the choice
1-addition
 2-substraction
 3-mutiplication
 4-division5-greatest of nos
 6-smallest of nos
 7-if equal
 8-not equal
 9-modulus
 10-power
0]Exit3
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enter the choice
1-addition
 2-substraction
 3-mutiplication
 4-division5-greatest of nos
 6-smallest of nos
 7-if equal
 8-not equal
 9-modulus
 10-power
0]Exit0
thank you