```c
#include <stdio.h>
#include <math.h>
int main()
{
    int ch=1,c,d;
    float a,b;
    while(1)
    {
        printf("\nChoose an operation :\n0.Stop\n1.+\n2.-\n3.*\n4./\n5.% \n6.^\n7.==\n8.<\n
        scanf("%d",&ch);
        switch(ch)
        {
            case 0:
                return 0;
            case 1:
                printf("Enter two numbers:\n");
                scanf("%f%f",&a,&b);
                printf("%f + %f = %f",a,b,a+b);
                break;
            case 2:
                printf("Enter two numbers:\n");
                scanf("%f%f",&a,&b);
                printf("%f - %f = %f",a,b,a-b);
                break;
            case 3:
                printf("Enter two numbers:\n");
                scanf("%f%f",&a,&b);
                printf("%f * %f = %f",a,b,a*b);
                break;
            case 4:
                printf("Enter two numbers:\n");
                scanf("%f%f",&a,&b);
                printf("%f / %f = %f",a,b,a/b);
                break;
            case 5:
                printf("Enter two integers:\n");
                scanf("%d%d",&c,&d);
                printf("%d %% %d = %d",c,d,c%d);
                break;
            case 6:
                printf("Enter two numbers:\n");
                scanf("%f%f",&a,&b);
                printf("%f ^ %f = %f",a,b,pow(a,b));
                break;
            case 7:
                printf("Enter two numbers:\n");
                scanf("%f%f",&a,&b);
                printf("%f == %f = %d",a,b,a==b);
                break;
            case 8:
                printf("Enter two numbers:\n");
                scanf("%f%f",&a,&b);
                printf("%f < %f = %d",a,b,a<b);
                break;
            case 9:
                printf("Enter two numbers:\n");
                scanf("%f%f",&a,&b);
```

```c
                printf("%f > %f = %d",a,b,a>b);
                break;
            case 10:
                printf("Enter two numbers:\n");
                scanf("%f%f",&a,&b);
                printf("%f != %f = %d",a,b,a!=b);
                break;
            default:
                printf("Invalid Entry");


        }

    }
    return 0;

}
```

```
Choose an operation :
0.Stop
1.+
2.-
3.*
4./
5.%
6.^
7.==
8.<
9.>
10.!=
3
Enter two numbers:
4 3
4.000000 * 3.000000 = 12.000000
Choose an operation :
0.Stop
1.+
2.-
3.*
4./
5.%
6.^
7.==
8.<
9.>
10.!=
6
Enter two numbers:
2 3
2.000000 ^ 3.000000 = 8.000000
```

```
Choose an operation :
0.Stop
1.+
2.-
3.*
4./
5.%
6.^
7.==
8.<
9.>
10.!=
0


...Program finished with exit code 0
Press ENTER to exit console
```