```
print("-----------------------------------------------WELCOME TO CALCULATOR-
-------------------------------------------------------------------------------
-----------")
L={1: "ADDITION", 2: "SUBTRACTION" , 3: "MULTIPLICATION", 4:
"DIVISION",5:"MODULAR DIVISION", 6:"EXPONENT", 7:"SQUARE ROOT",
 8: "SIN" , 9:"COS", 10:"TAN" ,11:"TO RADIANS", 12:"TO DEGREES" }
for i in L.keys():
    print("To perform",L[i],"press",i)
import math
def operation(*args):
    x=args[0]
    a,b,c,d,e,f,=x,x,x,x,x,x
    g=math.sqrt(abs(x))
    rad=math.radians(x)
    deg=math.degrees(x)

sinn,coss,tann=math.sin(math.radians(x)),math.cos(math.radians(x)),math.tan
(math.radians(x))
    for i in range (1,len(args)):
        a=a+args[i]
        b=b-args[i]
        c=c*args[i]
        d/=args[i]
        e=e%args[i]
        f=f**(args[i])
    return a,b,c,d,e,f,g,sinn,coss,tann,rad,deg
while True:
    s = input("Enter operation ")
    if s=="exit" or s=="EXIT" or s=="Exit":
        print("-----------------------THANK YOU FOR USING CALCULATOR-------
-----------------------------")
        break
    a,b,c,d,e,f,g,sinn,coss,tann,rad,deg=operation(1,2)
    if s=="1":
        print(a)
    elif s=="2":
        print(b)
    elif s=="3":
        print(c)
    elif s=="4":
        print(d)
    elif s=="5":
        print(e)
    elif s=="6":
        print(f)
    elif s=="7":
        print(g)
    elif s=="8":
        print(sinn)
    elif s=="9":
        print(coss)
    elif s=="10":
        print(tann)
    elif s=='11':
        print(rad)
    elif s=='12':
        print(deg)
    else :
        print("INVALID OPERATION")
```

```
D:\Python\venv\Scripts\python.exe D:/Python/calculator.py
-------------------------------------------WELCOME TO CALCULATOR---------------------
To perform ADDITION press 1
To perform SUBTRACTION press 2
To perform MULTIPLICATION press 3
To perform DIVISION press 4
To perform MODULAR DIVISION press 5
To perform EXPONENT press 6
To perform SQUARE ROOT press 7
To perform SIN press 8
To perform COS press 9
To perform TAN press 10
To perform TO RADIANS press 11
To perform TO DEGREES press 12
Enter operation 1
3
Enter operation 2
-1
Enter operation 3
2
Enter operation 4
0.5
Enter operation 5
1
Enter operation 6
1
Enter operation 7
1.0
Enter operation 8
0.01745240643728351
```

```
Enter operation 9
0.9998476951563913
Enter operation 10
0.017455064928217585
Enter operation 11
0.017453292519943295
Enter operation 12
57.29577951308232
Enter operation
```

```
Enter operation 1
3
Enter operation 2
-1
Enter operation 3
2
Enter operation 4
0.5
Enter operation 5
1
Enter operation 6
1
Enter operation 7
1.0
Enter operation 8
0.01745240643728351
Enter operation 9
0.9998476951563913
Enter operation 10
0.017455064928217585
Enter operation 11
0.017453292519943295
Enter operation 12
57.29577951308232
Enter operation
```