In [3]:

```
import math
import sys
from colorama import init
init(strip=not sys.stdout.isatty())
from termcolor import cprint
from pyfiglet import figlet_format
cprint(figlet_format('CALCI',font='starwars'),
      'yellow','on_red',attrs=['bold'])

print('mathematical operator present in this calculator calculator')
symbols=['+','-','*','/','//','%','log','exp','sqrt','ln','sin','cos',
        'tan','deg','rad','cosh','sinh','tanh','gamma','gcd']
print(symbols)

while(1):
    c=int(input('Do you want to continue operations?(1/0):'))
    if(c==0):

        break


    for i in symbols:
        choice=input('enter the operation you want to do in maths:')
        if(choice=='+'):
            a=float((input('plz enter your first number:')))
            b=float((input('plz enter your second number:')))
            x=a+b
            print(x)
            break
        elif(choice=='-'):
            a=float((input('plz enter your first number:')))
            b=float((input('plz enter your second number:')))
            x=a-b
            print(x)
            break
        elif(choice=='*'):
            a=float((input('plz enter your first number:')))
            b=float((input('plz enter your second number:')))
            x=a*b
            print(x)
```

```
            break
        elif(choice=='/'):
            a=float((input('plz enter your first number:')))
            b=float((input('plz enter your second number:')))
            x=a/b
            print(x)
            break
        elif(choice=='//'):
            a=float((input('plz enter your first number:')))
            b=float((input('plz enter your second number:')))
            x=a//b
            print(x)
            break
        elif(choice=='%'):
            a=float((input('plz enter your first number:')))
            b=float((input('plz enter your second number:')))
            x=a%b
            print(x)
            break
        elif(choice=='log'):
            a=float((input('enter the value:')))
            x=math.log10(a)
            print(x)
            break
        elif(choice=='exp'):
            a=float((input('enter the value of a:')))
            x=math.exp(a)
            print(x)
            break
        elif(choice=='ln'):
            a=float(input('enter the number:'))
            e=2.7134
            x=math.log(a,e)
            print(x)
            break
        elif(choice=='sqrt'):
            a=float((input('enter the number:')))
            x=math.sqrt(a)
            print(x)
            break
        elif(choice=='deg'):
            a=float(input('enter the angle you want to convert into degree:'))
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            x=math.degrees(a)
            print(x)
            break
        elif(choice=='rad'):
            a=float((input('enter the angle to convert into radian:')))
            x=math.radians(a)
            print(x)
            break
        elif(choice=='sin'):
            a=float((input('enter the angle:')))
            x=math.sin(a)
            print(x)
            break
        elif(choice=='cos'):
            a=float((input('enter the angle:')))
            x=math.cos(a)
            print(x)
            break
        elif(choice=='tan'):
            a=float((input('enter the angle:')))
            x=math.tan(a)
            print(x)
            break
        elif(choice=='sinh'):
            a=float((input('enter the angle:')))
            x=math.sinh(a)
            print(x)
            break
        elif(choice=='cosh'):
            a=float((input('enter the angle:')))
            x=math.cosh(a)
            print(x)
            break
        elif(choice=='tanh'):
            a=float((input('enter the angle:')))
            x=math.tanh(a)
            print(x)
            break
        elif(choice=='gamma'):
            a=float((input('enter the value:')))
            x=math.gamma(a)
            print(x)
```

```
            break
        elif(choice=='gcd'):
            a=int((input('enter the first value:')))
            b=int(input('enter the second value:'))
            x=math.gcd(a,b)
            print(x)
            break
        else:
            break
```

```
mathematical operator present in this calculator calculator
['+', '-', '*', '/', '//', '%', 'log', 'exp', 'sqrt', 'ln', 'sin', 'cos', 'tan', 'deg', 'rad', 'cosh', 'sinh', 'tan
h', 'gamma', 'gcd']
Do you want to continue operations?(1/0):1
enter the operation you want to do in maths:+
plz enter your first number:3
plz enter your second number:4
7.0
Do you want to continue operations?(1/0):1
enter the operation you want to do in maths:-
plz enter your first number:5
plz enter your second number:4
1.0
Do you want to continue operations?(1/0):1
enter the operation you want to do in maths:*
plz enter your first number:6
plz enter your second number:7
42.0
Do you want to continue operations?(1/0):1
enter the operation you want to do in maths:/
plz enter your first number:5
plz enter your second number:4
```

```
1.25
Do you want to continue operations?(1/0):1
enter the operation you want to do in maths://
plz enter your first number:8
plz enter your second number:5
1.0
Do you want to continue operations?(1/0):1
enter the operation you want to do in maths:%
plz enter your first number:9
plz enter your second number:4
1.0
Do you want to continue operations?(1/0):1
enter the operation you want to do in maths:log
enter the value:7
0.8450980400142568
Do you want to continue operations?(1/0):1
enter the operation you want to do in maths:tan
enter the angle:45
1.6197751905438615
Do you want to continue operations?(1/0):1
enter the operation you want to do in maths:sin
enter the angle:90
0.8939966636005579
Do you want to continue operations?(1/0):1
enter the operation you want to do in maths:gcd
enter the first value:7
enter the second value:4
1
Do you want to continue operations?(1/0):0
```

In [ ]:

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