17-08-25

Uppercase String

main.py

```
s = "hello"
print(s.upper())
```

Output

```
HELLO

=== Code Execution Successful ==
```

Calculate Power

main.py

```
print(2 ** 3)
```

Output

```
8

=== Code Execution Successful ===
```

Check Leap Year

main.py

```
year = int(input("Enter a year: "))
if (year % 4 == 0 and year % 100 != 0) or (year % 400 == 0):
    print("Leap year")
else:
    print("Not a leap year")
```

Output

```
Enter a year: 2024
Leap year

=== Code Execution Successful ===
```

Celsius to Fahrenheit

main.py

```
c = float(input("Enter temperature in Celsius: "))
f = (c * 9/5) + 32
print("Temperature in Fahrenheit:", f)
```

Output

```
Enter temperature in Celsius: 0
Temperature in Fahrenheit: 32.0

=== Code Execution Successful ===
```

Sum of Digits

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main.py

```
num = int(input("Enter a number: "))
total = 0
while num > 0:
    total += num % 10
    num //= 10
print("Sum of digits:", total)

```

Output

```
Enter a number: 1234
Sum of digits: 10

=== Code Execution Successful ===
```

Perfect Number

main.py

```
n = int(input("Enter a number: "))
sum_div = 0
for i in range(1, n):
    if n % i == 0:
        sum_div += i

if sum_div == n:
    print("Perfect number")
else:
    print("Not a perfect number")

```

Output

```
Enter a number: 28
Perfect number

=== Code Execution Successful ===
```

GCD of Two Numbers

main.py

```
a = int(input("Enter first number: "))
b = int(input("Enter second number: "))

while b:
    a, b = b, a % b

print("GCD is:", a)

```

Output

```
Enter first number: 12
Enter second number: 15
GCD is: 3

=== Code Execution Successful ===
```