main.py

Save Run

```python
n = int(input("Enter a number: "))
s = 0
t = n
while t > 0:
    digit = t % 10
    s += digit ** 3
    t //= 10

if n == s:
    print(n,"is an Armstrong number")
else:
    print(n,"is not an Armstrong number")
```

Output

```
Enter a number: 5
5 is not an Armstrong number

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

main.py

Save Run

```python
from math import sqrt
def is_prime(number, itr):
    if itr == 1:
        return True
    if number % itr == 0:
        return False
    return is_prime(number, itr - 1)
num = 13
itr = int(sqrt(num) + 1)
print(is_prime(num, itr))

```

Output

```
True

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

main.py

Save Run

```python
def myCopy(s1,s2):
    for i in range(len(s1)):
        s2[i]=s1[i]
    return "".join(s2)
s1=list("KAVEYA")
s2=[""]*len(s1)
print(myCopy(s1,s2))
```

Output

```
KAVEYA

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

37°C
Partly sunny

main.py

Save Run

```python
def factorial(n):
    if n == 0 or n == 1:
        return 1
    else:
        return n * factorial(n - 1)
number = 5
print(f"The factorial of {number} is {factorial(number)}")

```

Output

```
The factorial of 5 is 120

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

main.py

Save Run

```python
def fibbo(n):
    if(n==0):
        return 0
    elif (n==1 or n==2):
        return 1
    else:
        return(fibbo(n-1)+fibbo(n-2))


n=int(input("enter no. of terms:"))
for i in range(n):
    print(fibbo(i))
```

Output

```
enter no. of terms:5
0
1
1
2
3

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

main.py

Save Run

```python
def gcd(a, b):
    if b == 0:
        return a
    else:
        return gcd(b, a % b)
num1 = 48
num2 = 18
print(f"The GCD of {num1} and {num2} is {gcd(num1, num2)}")

```

Output

```
The GCD of 48 and 18 is 6

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

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Python Online Compiler

main.py

Save Run

```python
def isPrime(n, i=2):
    if n <= 2:
        return n == 2
    if n % i == 0:
        return False
    if i * i > n:
        return True
    return isPrime(n, i + 1)

def generatePrimesInRange(start, end):
    for num in range(start, end + 1):
        if isPrime(num):
            print(num)
start_range = 1
end_range = 50
generatePrimesInRange(start_range, end_range)

```

Output

```
2
3
5
7
11
13
17
19
23
29
31
37
41
43
47

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

main.py

Save Run

```python
def find_largest_element(arr):
    largest = arr[0]
    for element in arr:
        if element > largest:
            largest = element
    return largest
array = [10, 24, 45, 90, 72, 56, 32]
largest_element = find_largest_element(array)
print(f"The largest element in the array is: {largest_element}")
```

Output

```
The largest element in the array is: 90

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

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main.py

Save Run

```python
def isPalindrome(s):
    return s == s[::-1]
s = "malayalam"
ans = isPalindrome(s)

if ans:
    print("Yes")
else:
    print("No")

```

Output

```
Yes

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

main.py

Save Run

```python
def reverse(s):
    str = ""
    for i in s:
        str = i + str
    return str

s = "KAVEYA"

print("The original string is : ", end="")
print(s)

print("The reversed string(using loops) is : ", end="")
print(reverse(s))

```

Output

```
The original string is : KAVEYA
The reversed string(using loops) is : AYEVAK

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

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