```python
n = 5
for i in range(n, 0, -1):
    for j in range(i):
        print(chr(65 + j),end=" ")
    print()
```

STDIN

Input for the program (Optional)

Output:

```
A B C D E
A B C D
A B C
A B
A
```

43gjabc3m

AI NEW PYTHON RU

```python
import math
def cosine_series(x, n):
    cosx = 0
    sign = 1
    for i in range(0, n * 2, 2):
        cosx += sign * (x ** i) / math.factorial(i)
        sign *= -1
    return cosx

print(cosine_series(1, 5))
```

STDIN

Input for the program (Optional)

Output:

```
0.5403025793650793
```

34°C
High humidity t...

Search

main.py

43gjabc3m

```python
import math
n = 5
result = sum(1 / math.factorial(i) for i in range(n))
print(result)
```

AI NEW PYTHON

STDIN

Input for the program (Optional)

Output:

```
2.7083333333333335
```

43gjabc3m

```python
num = input("Enter a number: ")
if num == num[::-1]:
    print("Palindrome")
else:
    print("Not Palindrome")
```

AI NEW

STDIN

121

Output:

```
Enter a number: Palindrome
```

```python
def simple_interest(p, t, senior):
    rate = 0.12 if senior == 'y' else 0.10
    return p * t * rate
p = 200000
t = 3
senior = 'n'
print("Interest:", simple_interest(p, t, senior))
```

AI NEW PYTHON

STDIN

Input for the program (Optional)

Output:

```
Interest: 60000.0
```

Finance headline

```python
def sumsquare(l):
    odd = sum(x*x for x in l if x % 2 != 0)
    even = sum(x*x for x in l if x % 2 == 0)
    return [odd, even]
print(sumsquare([18,9,1,12,13,4,30]))
```

AI NEW PYTHO

STDIN

Input for the program (Optional)

Output:

```
[251, 1384]
```

43gjabc3m

AI NEW PYTHON

```python
for i in range(10):
    if i == 5:
        break
    print(i)
```

STDIN

Input for the program (Optional)

Output:

```
0
1
2
3
4
```

```python
for i in range(1, 11):
    if i % 2 == 0:
        continue
    print(i)
```

STDIN

Input for the program (Optional)

Output:

```
1
3
5
7
9
```

34°C
Sunny
Search

main.py

43gjabc3m

AI NEW PYTHON RU

```python
def factorial(n):
    result = 1
    for i in range(2, n+1):
        result *= i
    return result
print(factorial(5))
```

STDIN

Input for the program (Optional)

Output:

```
120
```

34°C
Sunny

Search

43gjabc3m

AI NEW PYTHON RUN

```python
n = 20
for num in range(2, n+1):
    for i in range(2, int(num**0.5)+1):
        if num % i == 0:
            break
    else:
        print(num, end=' ')
```

STDIN

Input for the program (Optional)

Output:

```
2 3 5 7 11 13 17 19
```

```python
n = 5
for i in range(1, n+1):
    for j in range(i):
        print("*", end="")
    print()
```

STDIN

Input for the program (Optional)

Output:

```
*
**
***
****
*****
```

34°C
Sunny

Search