

```
# Largest number among three numbers
a, b, c = 10, 25, 15
print(max(a, b, c))
```

25

```
# Swaps the values of two variables
x = 5
y = 10
x, y = y, x
print(x, y)
```

10 5

```
# Reverses a given string
text = "Python"
print(text[::-1])
```

nohtyP

```
# Factorial of a given number
import math
num = 5
print(math.factorial(num))
```

120

```
# Checks if a given year is a leap year or not
year = 2024
if (year % 4 == 0 and year % 100 != 0) or (year % 400 == 0):
    print("Leap Year")
else:
    print("Not a Leap Year")
```

Leap Year

```
# Check whether a given string is palindrome or not
s = "madam"
print(s == s[::-1])
```

True

```
# Counts the number of vowels and consonants in a string
text = input("Enter a string: ")
vowels = "aeiouAEIOU"
v_count = 0
c_count = 0
for char in text:
    if char.isalpha():
        if char in vowels:
            v_count = v_count + 1
        else:
```

```
        c_count = c_count + 1

print("Vowels:", v_count)
print("Consonants:", c_count)
```

Enter a string: AzureDevOps
Vowels: 5
Consonants: 6

```
# Prints the multiplication table of a given number
num = 7
for i in range(1, 11):
    print(f"{num} x {i} = {num * i}")
```

7 x 1 = 7
7 x 2 = 14
7 x 3 = 21
7 x 4 = 28
7 x 5 = 35
7 x 6 = 42
7 x 7 = 49
7 x 8 = 56
7 x 9 = 63
7 x 10 = 70

```
# Calculates the sum of all numbers from 1 to 100
print(sum(range(1, 101)))
```

5050

```
# Take a list of numbers as input and print the maximum value
nums = [int(x) for x in input("Enter numbers: ").split()]
print(max(nums))
```

Enter numbers: 1 9 14 28
28

