

```
# 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
```

