```
x = 5
y = 3
result = x + y
print(result)
```

```
8
```

```
word = "Hello"
for letter in word:
    print(letter)
```

```
H
e
l
l
o
```

```python
numbers = [1, 2, 3, 4, 5]
total = sum(numbers)
print(total)
```

```
15
```

```python
for i in range(5):
    print(i)
```

```
0
1
2
3
4
```

```python
text = "Python is fun!"
length = len(text)
print(length)
```

14

```python
number = 7
if number % 2 == 0:
    print("Even")
else:
    print("Odd")
```

Odd

```python
def multiply(a, b):
    return a * b

result = multiply(4, 6)
print(result)
```

24

```
fruits = ["apple", "banana", "cherry"]
for fruit in fruits:
    print(fruit)
```

```
apple
banana
cherry
```

```
def square(n):
    return n ** 2

result = square(3)
print(result)
```

```
9
```

```python
numbers = [2, 4, 6, 8, 10]
for num in numbers:
    if num > 5:
        print(num)
```

```
6
8
10
```

```python
name = "Alice"
greeting = "Hello, " + name + "!"
print(greeting)
```

```
Hello, Alice!
```

```python
def average(numbers):
    total = sum(numbers)
    count = len(numbers)
    return total / count

result = average([3, 6, 9])
print(result)
```

```
6.0
```

```python
temperature_celsius = 25
temperature_fahrenheit =
(temperature_celsius * 9/5) + 32
print(temperature_fahrenheit)
```

```
77.0
```

```python
numbers = [1, 2, 3, 4, 5]
squared = [num ** 2 for num in numbers]
print(squared)
```

```
[1, 4, 9, 16, 25]
```

```python
def is_even(n):
    return n % 2 == 0

result = is_even(7)
print(result)
```

```
False
```

```python
word = "Python"
if "y" in word:
    print("Letter 'y' found")
else:
    print("Letter 'y' not found")
```

```
Letter 'y' found
```

```python
numbers = [3, 6, 9, 12]
total = 0
for num in numbers:
    total += num
print(total)
```

```
30
```

```python
age = 19
if age >= 18:
    print("You are an adult")
else:
    print("You are a minor")
```

```
You are an adult
```

```python
def greet(name):
    return "Hello, " + name + "!"

message = greet("Bob")
print(message)
```

```
Hello, Bob!
```

```python
numbers = [10, 20, 30, 40, 50]
count = len(numbers)
print("The list contains", count,
"numbers")
```

```
The list contains 5 numbers
```