Play with Lambda

Write a Python program to create a lambda function that adds 25 to a given number passed in as an argument.

In [1]:

```
# Define the lambda function
add_25 = lambda x: x + 25

# Test the lambda function
number = 10
result = add_25(number)
print(f"The result of adding 25 to {number} is: {result}")
```

```
The result of adding 25 to 10 is: 35
```

Find the way with Maps

Write a Python program to triple all numbers of a given list of integers. Use Python map.

sample list: [1, 2, 3, 4, 5, 6, 7]

Triple of list numbers: [3, 6, 9, 12, 15, 18, 21]

In [2]:

```
# Take user input for the list of integers
input_string = input("Enter a list of integers separated by spaces: ")
sample_list = list(map(int, input_string.split()))

# Define the lambda function to triple a number
triple = lambda x: x * 3

# Use map to apply the lambda function to each element in the list
result_list = list(map(triple, sample_list))

# Print the tripled list
print("Triple of list numbers:")
print(result_list)
```

```
Enter a list of integers separated by spaces: 1 2 3 4 5 6 7
Triple of list numbers:
[3, 6, 9, 12, 15, 18, 21]
```

Find the Squares from the given List

Write a Python program to square the elements of a list using map() function.

Sample List: [4, 5, 2, 9]

Square the elements of the list: [16, 25, 4, 81]

In [3]:

```
# Take user input for the list of integers
input_string = input("Enter a list of integers separated by spaces: ")
sample_list = list(map(int, input_string.split()))

# Define the lambda function to square a number
square = lambda x: x ** 2

# Use map to apply the lambda function to each element in the list
result_list = list(map(square, sample_list))

# Print the squared list
print("Square the elements of the list:")
print(result_list)
```

```
Enter a list of integers separated by spaces: 4 5 2 9
Square the elements of the list:
[16, 25, 4, 81]
```

In [ ]:

```

```