In [1]:
```
#Addition of Two Numbers

add = lambda x, y: x + y
result = add(5, 3)
print("Addition Result:", result)
```

```
Addition Result: 8
```

In [2]:
```
#Lambda Functions with Built-in Functions Like map, filter, and reduce

numbers = [1, 2, 3, 4, 5]
squared_numbers = list(map(lambda x: x**2, numbers))

print("Squared Numbers:", squared_numbers)
```

```
Squared Numbers: [1, 4, 9, 16, 25]
```

In [3]:
```
#Using filter() with Lambda Functions

even_numbers = list(filter(lambda x: x % 2 == 0, numbers))

print("Even Numbers:", even_numbers)
```

```
Even Numbers: [2, 4]
```

In [4]:
```
#Using reduce() with Lambda Functions

from functools import reduce

product = reduce(lambda x, y: x * y, numbers)

print("Product of Numbers:", product)
```

```
Product of Numbers: 120
```

In [5]:
```
#Comparing Lambda Functions with Regular Functions

def add_numbers(x, y):
    return x + y

add_lambda = lambda x, y: x + y


result_regular = add_numbers(10, 5)
result_lambda = add_lambda(10, 5)

print("Regular Function Result:", result_regular)
print("Lambda Function Result:", result_lambda)
```

```
Regular Function Result: 15
Lambda Function Result: 15
```

In [ ]:
```

```