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Roll no:DE142

Date:12-11-2024

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```
numbers = [1, 2, 3, 4]
squared = list(map(lambda x: x ** 2, numbers))
print(squared)
```

➦ [1, 4, 9, 16]

```
text = "hello world"
upper_text = text.upper()
print(upper_text)
```

➦ HELLO WORLD

```
number = -5
abs_value = abs(number)
print(abs_value)
```

➦ 5

```
from datetime import datetime
current_time = datetime.now()
print(current_time)
```

➦ 2024-11-12 09:41:46.279620

```
def greet(name):
    return f"Hello, {name}!"
print(greet("Alice"))
```

➦ Hello, Alice!

```
def greet(name, message="Hello"):
    return f"{message}, {name}!"
print(greet("Alice"))
print(greet("Bob", "Hi"))
```

➦ Hello, Alice!
Hi, Bob!

```
def greet(name, message="Hello"):
    return f"{message}, {name}!"
print(greet(name="Alice", message="Hi"))
```

➦ Hi, Alice!

```
def my_func(a, b, *, c):
    return a + b + c
print(my_func(1, 2, c=3))
```

➦ 6

```
def sum_all(*args):  
    return sum(args)  
print(sum_all(1, 2, 3, 4))
```

↔ 10

```
multiply = lambda x, y: x * y  
print(multiply(3, 4))
```

↔ 12