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**PYTHON**

*Tips and Tricks*



# Lambda function

A lambda is a function without a name. It can take arguments and perform a single expression. They're useful for quick, one-time functions.



example.py

```
add_ = lambda x, y: x+y  
add_(5,7)
```



Code



# List comprehension

List comprehension is a shorthand way to create a new list by applying an expression to each element of an existing list



example.py

```
squares = [i*i for i in range(1,100)]
```



CodeImage



# F-Strings

F-strings in Python embed expressions in string literals using curly braces {}. They're concise and readable, allowing easy creation of dynamic strings with variable values.



example.py

```
name = input('Enter your name:')  
f"Hello {name}"
```



CodeImage



# Enumerate

Enumerate can be used to iterate over both the index and the value of each item in the iterable object.



example.py

```
my_list = ['apple', 'banana', 'orange', 'grape']  
for index, item in enumerate(my_list):  
    print(f"{index}: {item}")
```

#output

```
0: apple  
1: banana  
2: orange  
3: grape
```



Codelmage



# Set function

The set function can be used to create a list without duplicate or remove duplicates from existing list.



example.py

```
selected = ['apple', 'pie', 'banana', 'orange',  
'pie', 'apple', 'orange']  
filtered = list(set(selected))  
# ['apple', 'banana', 'orange', 'pie']
```

```
# Or, use it instead to create  
# Array without duplicate  
selected = set()  
selected.add(...)
```



CodeImage

*Follow for more*

**Abdulmumin  
yaqeen**

@abdulmuminYqn

