

# Python Programs

1. Python program that inserts a word at a particular position a given list?

Source code:

```
File Edit Format Run Options Window Help
words = ['apple', 'banana', 'cherry', 'date']
words.insert(2, 'orange')
print(words)
```

Output:

```
File Edit Shell Debug Options Window Help
Python 3.12.4 (tags/v3.12.4:8e8a4ba, Jun 6 2024, 19:30
AMD64) on win32
Type "help", "copyright", "credits" or "license()" for
>>>
= RESTART: C:/Users/pooja/Desktop/insert.py
['apple', 'banana', 'orange', 'cherry', 'date']
>>>
```

2.python program to that deletes all duplicates in a given list?

source code:

```
File Edit Format Run Options Window Help
```

---

```
numbers = [1, 2, 2, 3, 4, 4, 5]
print(numbers)
numbers = list(set(numbers))
print(numbers)
```

output:

```
= RESTART: C:/Users/pooja/Desktop/2.py
[1, 2, 2, 3, 4, 4, 5]
[1, 2, 3, 4, 5]
>>> |
```

### 3.python program to remove given world from a string?

```
File Edit Format Run Options Window Help
text = "I love programming in Python"
print(text)
text = text.replace("Python", "java")
print(text)
```

output:

```
===== RESTART: C:/Users/pooja/Desktop
I love programming in Python
I love programming in java
```

### 4. python program that calculates sum of elements in a list?

```
File Edit Format Run Options Window Help
numbers = [1, 2, 3, 4, 5]
print(numbers)
total = sum(numbers)
print(total)
```

Output:

```
= RESTART: C:/Users/pooja/Desktop/3.py
[1, 2, 3, 4, 5]
15
->> |
```

### 5.python program to read a string and return second word in upper case?

### Source code:

```
File Edit Format Run Options Window Help
text = "hello world welcome"
print(text)
second_word = text.split()[1].upper()
print(second_word)
```

### Output:

```
= RESTART: C:/Users/pooja/Desktop/3.py
hello world welcome
WORLD
```

### 6.program to find least repeated character in a string?

#### Source code

```
File Edit Format Run Options Window Help
text = "hello world"
print(text)
counts = {}
for char in text:
    counts[char] = counts.get(char, 0) + 1
least_repeated = min(counts, key=counts.get)
print(least_repeated)
```

### Output:

```
= RESTART: C:/Users/pooja/AppData/Local
hello world
h
> |
```

