

Strings

1. `.split()`, `.join()`, `.replace()`, `.lower()`, `.upper()` operations in python

Code:

```
list.py string.py X
Lists and Strings > string.py > ...
1  string = "Hello World!"
2
3  # 1. split operation
4  spl = string.split()
5  print(spl)
6
7  # 2. joining operation
8  joining = "".join(string)
9  print(joining)
10 joining = "-".join(string)
11 print(joining)
12
13 # 3. replacing operation
14 rep = string.replace("Hello", "Bye")
15 print(rep)
16
17 # 4. lower case
18 low = string.lower()
19 print (low)
20
21 # 5. upper case
22 up = string.upper()
23 print(up)
```

Output:

```
hello world!
hello world!
HELLO WORLD!
PS C:\Users\HP\Desktop\Folders\Coding\Practice> & C:/Users
/HP/Desktop/Folders/Coding/Practice/Lists and Strings/stri
● ['Hello', 'World!']
Hello World!
H-e-l-l-o- -W-o-r-l-d-!
Bye World!
hello world!
HELLO WORLD!
○ PS C:\Users\HP\Desktop\Folders\Coding\Practice>
```

2. Reversing the text

```
22 up = string.upper()
23 print(up)"""
24
25 # reversing a string
26 text = "hellow world!!"
27
28 rev = text[::-1]
29 print(rev)
```

PROBLEMS 1 OUTPUT DEBUG CONSOLE TERMINAL PORTS

- PS C:\Users\HP\Desktop\Folders\Coding\Practice> & C:\Users\HP\Desktop\Folders\Coding\Practice\Lists and String\reverse_string.py
!!dlrow wolleh
- PS C:\Users\HP\Desktop\Folders\Coding\Practice>

3. Remove duplicates from a string

```

30
31 # Ques - Remove duplicates from a string
32
33 dup = [1, 2, 2, 3, 4, 4, 5]
34
35 unique = list(set(dup))
36 print(dup)
37 print(unique)

```

PROBLEMS 1 OUTPUT DEBUG CONSOLE TERMINAL PORTS SPELL CHECKER

```

PS C:\Users\HP\Desktop\Folders\Coding\Practice> & C:/Users/HP/
on.exe "c:/Users/HP/Desktop/Folders/Coding/Practice/Lists and
● !!dlrow wolleh
[1, 2, 2, 3, 4, 4, 5]
[1, 2, 3, 4, 5]
○ PS C:\Users\HP\Desktop\Folders\Coding\Practice>

```

4. Counting Vowels in a String

```

37 # print(unique)
38
39 # ques - counting vowels
40 text = "Data science is an interdisciplinary academic field that uses s
41
42 vowels = "aeiouAEIOU"
43 count = sum(1 for char in text if char in vowels)
44 print("Number of vowels:", count)
45

```

PROBLEMS 3 OUTPUT DEBUG CONSOLE TERMINAL PORTS SPELL CHECKER 3

```

● PS C:\Users\HP\Desktop\Folders\Coding\Practice> & C:/Users/HP/AppData/Local/Progr
on.exe "c:/Users/HP/Desktop/Folders/Coding/Practice/Lists and Strings/string.py"
!!dlrow wolleh
Number of vowels: 86
○ PS C:\Users\HP\Desktop\Folders\Coding\Practice>

```