

Python programs

- 1.Reverse a string “WorldWord”. Hint: :: or join
- 2.Remove duplicates in ['dog','cat','tiger','dog', 'tiger'] Hint: use set
3. Perform union and intersection using Set
4. Create virtual environment and show installation of package matplotlib and import of modules for visualization.
5. Create a range to display players list within Players class

Answers:-

files.py

C:\Users> keertanas > files.py > ...
1 # Define the string
2 string = "WorldWord"
3 reversed_string = string[::-1]
4
5 # Print the reversed string
6 print("Reversed string:", reversed_string)
7 # Reverse the string using join and reversed
8 reversed_string = ''.join(reversed(string))
9
10 # Print the reversed string
11 print("Reversed string:", reversed_string)
12 # Define the list with duplicates
13 animals = ['dog', 'cat', 'tiger', 'dog', 'tiger']
14
15 # Remove duplicates by converting to a set
16 unique_animals = list(set(animals))
17
18 # Print the list without duplicates
19 print("Unique animals:", unique_animals)
20 # Define two sets
21 set1 = {1, 2, 3, 4, 5}
22 set2 = {4, 5, 6, 7, 8}

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
Reversed string: droWdlroW
Reversed string: droWdlroW
Unique animals: ['tiger', 'dog', 'cat']
Union: {1, 2, 3, 4, 5, 6, 7, 8}
Intersection: {4, 5}
['Bob', 'Charlie', 'David']
PS C:\Users\keertanas>

Ln 13, Col 50 Spaces: 2 UTF-8 CRLF Python 3.12.5 64-bit



