

Exercise

1. Check the length of this string, **my_str = 'google.com'**.
2. Write a Python program to sum all the items in of this list, **my_lst = [23,65,78,9,0]**
3. Write a Python program to multiplies all the items of this list, **my_lst = [3,6,8,9,2]**
4. Write a Python program to get the largest number from this list, **my_lst = [23,65,78,9,0]**
5. What is the data type of x, if **x=2**.
6. What is the data type of x, if **x='2'**
7. What is the data type of x, if **x=('2')**
8. Access the first four characters of the string **'HelloWorld'**.
9. Access the characters **'oWo'** from the string **'HelloWorld'**.
10. Concatenate these three strings **str1='Welcome'**, **str2='to'**, & **str3='Upflairs'** with an underscore. Expected output: "Welcome_to_Upflairs".
11. Convert into lowercase entire string **str1="WELCOME TO THE UPFLAIRS PVT. LTD."**
12. Lowercase first character of a string, **str1="Upflairs"**.
13. Remove whitespace from the left, right or both sides of a string, **str1='Team work is the secret'**.
14. If **a=(1,2,3,4)**, **a[1:-1]** is?
15. **a = (1, 2, 2, 2, 3, 4, 2)**, Number of time 2 is present in the tuple?
16. Check if 5 present or not in a, **a = (1, 2, 2, 2, 3, 4, 2)**.
17. What will be the output of the following Python code? **a=(1,2,3,4) del(a[2])?**
18. Two sets **a = {1, 2, 3, 4, 5}; b = {3, 4, 5, 6, 7, 8}** what will be **a&b**?
19. Convert a list into a set, **my_lst = [23,65,23,9,0,9,14]**
20. Create a dictionary, **group = {'solo':1, 'duo':2}**. Then remove the key 'duo' and the value 2 so that only 'solo':1 remains.
21. Create a dictionary, **groups = {'solo':1, 'duo':2}**. Add the key 'trio' and the corresponding value.
22. How to rename a key of a dict with an example?
23. Create a dictionary, **colors = {'red': '#FF0000', 'green': '#008000', 'blue': '#0000FF'}**. Pull out all the keys and values and add them to a list called **colors_list** and **colors_hex** respectively.
24. Make a dictionary by using these two list, **a=['red','blue','green'], b=[1,2,3]**, Expected Output: **{'red': 1, 'blue': 2, 'green': 3}**.
25. In Python 3, the maximum value for an integer is $2^{63} - 1$: **True or False ?**