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## Python Instructor

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# Core Python Assignment - 11

1. What is the output of print tuple if tuple = ( 'abcd', 786 , 2.23, 'john', 70.2 )?
2. What is the output of print tuple[0] if tuple = ( 'abcd', 786 , 2.23, 'john', 70.2 )?
3. What is the output of print tuple[1:3] if tuple = ( 'abcd', 786 , 2.23, 'john', 70.2 )?
4. What is the output of print tuple[2:] if tuple = ( 'abcd', 786 , 2.23, 'john', 70.2 )?
5. What are Python's dictionaries?
6. How will you create a dictionary in python?
7. How will you get all the keys from the dictionary?
8. How will you get all the values from the dictionary?
9. What is Scope Resolution in Python?
10. What are Python namespaces? Why are they used?
11. How will you reverse the numpy array using one line of code?
12. How are NumPy arrays advantageous over python lists?
13. Can you easily check if all characters in the given string is alphanumeric?
14. How can you generate random numbers?
15. Define pandas dataframe.
16. What is reindexing in pandas?
17. How do you define a function in Python? Give an example.
18. Explain the concept of class and an object in Python.
19. How will you delete indices, rows and columns from a dataframe?
20. How to add new column to pandas dataframe?