Mr. Jitendra Sahani

Python Instructor

IIT Mandi IHub And HCi Foundation

**Address : IIT Mandi IHub And HCi Foundation
North Campus, VPO Kamand
Near Mind Tree School 175075**

Basic Assignment-9.0

1. What is a data structure?
2. What are the different types of data structures?
3. What is the difference between data type and data structure?
4. What are the alternative names of data structures?
5. What is the meaning of mutable and immutable objects?
6. What is a string?
7. What are the different ways to create string in python? explain with examples?
8. Explain about string?
9. What is the difference between len() and count()?
10. What is the difference between lower() and upper()?
11. What is the purpose of the 'pickle' module in Python?
12. What is the difference between 'iter()' and 'next()`'functions in Python?
13. What is the difference between '==' and 'is' in Python?
14. What is the purpose of the 'collections' module in Python?
15. What exactly is recursion?
16. What are the differences between a module and a package in Python?
17. How do you handle exceptions in Python?
18. How Would You Remove All Leading Whitespace in a String?
19. What Is the Difference Between Matrices and Arrays?
20. How are arguments passed by value or by reference in Python?