

Class Assignments for Data Science:

1. What are the Data Life Cycle?
2. Create at least two Tuples with at least 10 items using correct syntax.
3. Create at least two List with at least 10 items using correct syntax.
4. Combine two lists.
5. Sort your list.
6. Use `len()`, `.append()`, `.remove()`, `.extend()` and `.sort(key=len)` functions.
7. Do binary search and maintained the sorted list.
8. Use slicing to extract list items.
9. Use slicing to assign the items to sequence.
10. Use slicing using (`seq[:4]`, `seq[4:]`, `seq[-4:]`, `seq[:-4]`).
11. Create Dictionary having at least 6 keys and values.
12. Create two Sets and use `.add()`, `.update()`, `.union()` and `.intersection()`.
13. Connect MySQL database using python.
14. Import **classicmodels** database into python.
15. Display list of tables that are stored in database using python.
16. Display one of table's information in python.
17. Import `.xlsx/.xls` file in python.
18. Import `.csv` file into python.