



# Python Assignment 3

## Data Types: Set

### Practical Type Questions

The following are the assignment questions on the topic Set and Set methods. **Complete the following exercise in Jupyter Notebook or Google Colab and submit your file before the allotted deadline.**

1. Create an empty set. Prompt the user to enter a number between 1-99. Add the numbers in the set. Repeat 5 times.
2. Print the length of the set.
3. If the length is less than 5 elements, prompt the user again to enter more numbers.
4. Create another empty set and prompt the user to enter any number between 1-99. Add the numbers in the set. Repeat 5 times.
5. Check for the following:
  - a. Does both the sets have any numbers in common?
  - b. Are both sets disjoint?
6. From the two sets, get the elements which are unique to each set (only present in either of the set).
7. Create a set containing names of any 10 animals.
8. Create an empty set. Prompt the user to enter their favourite animal.
9. Does their favourite animal exists in the set created by you?