

# EGGHEADS

## PYTHON ASSIGNMENTS

### Basics:

Write a python program to

- Print your name using **print** function
- Initialize two variables **x** and **y** and perform add, subtract, multiply and division and print the results
- Declare a string variable with your name and print it.
- Get the **int** ,**float** and **string** values from the user and print them.

### Strings:

Write a python program to read a string value from the user and,

- Print your first and last characters In that string
- Print the string from the index 2 to the end using **slice operator**.
- Print the length of string
- Reverse the string, Convert to Uppercase and Lowercase.
- Concatenate the string with your name and print it.
- Include '@' character as a separator in the string using join function.

### List, Tuple and Set:

Write a python program to (use numbers for the list)

- initialize a list and print the items of the list
- Use slice operator and print from index 3 to end.
- Concatenate two separate lists into one list.
- Append elements to the initialized list.
- Sort the elements in the list using **sort** function(both ascending and descending).
- Get the unique elements from the list.