

Assignment on the Basic Python

Requirement : Google Colab notebook

Q1

Create a list which should contain values of type float and integer at alternate position.

a. Write single instruction to print all the Float values using negative indexing technique.

b. Write single instruction to print all the integer values using positive indexing technique.

c. Show the results of invalid indexing on same data.

Q2 Write a program in python to check whether the number is Armstrong or not ?

(Note :To find out power, operator is not allowed)(Your Program should cover the concept of function, control flow statements, and use of most of operators except **)**

Q3

a. Create a Mllab class without any variables and methods

b. Create a child class named 'Mllab' that will inherit all of the variables and methods of the 'Course' class. Create the instance of

child class and access the members from outside the class (Assume members and methods as per your choice)

c. Implement Method overriding concept using Multiple inheritance and Multilevel Inheritance. (Take example of your choice)

Q4

- a. Create empty and full array in python.**
- b. Create any Two Dimensional array and then flatten that to one dimension in Python**
- c. Create the array in python and save that to Text File through python program.**
- d. Create the array**

```
arr = [[1.3, 2.5, 3.6, np.nan],  
       [2.6, 3.3, np.nan, 5.5],  
       [2.1, 3.2, 5.4, 6.5]]
```

And replace the NAN values with the average of columns.