# Data Science with Python

## Day 01 - Activity - 01

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01)

a. Complete the following activity using the "`titanic.csv`" dataset using Python's built-in functions.

   i. Create a list of dictionaries using passenger details(Name, Sex, Age, cabin), where each dictionary represents the information for one passenger. Print details related to the first 3 passengers.

```
[{'Name': 'Braund  Mr. Owen
Harris', 'Sex': 'male', 'Age':
'22', 'Cabin': ''},

 {'Name': 'Cumings  Mrs. John
Bradley (Florence Briggs
Thayer)',
  'Sex': 'female',
  'Age': '38',
  'Cabin': 'C85'},

 {'Name': 'Heikkinen  Miss.
Laina', 'Sex': 'female', 'Age':
'26', 'Cabin': ''}]
```

   ii. Count the number of passengers.
   iii. Find the average age of the passengers onboard the Titanic.
   iv. Count the number of male passengers who survived in the first-class cabin.
   v. Count the number of passengers who paid more than $300 and print their names.

02) Write a simple number guessing game between `1 to 100`. You should loop this until a correct attempt occurs and total attempts should be counted. Print the following output according to each guess.

1). if the guessed number is lower than the real number then print – `Lower than the number!`

2). if the guessed number is higher than the real number then print – `Higher than the number!`

3). if the guessed number is correct then print – `Congratulations! (After <number> attempts you found it!)`