

Coding Problem -1

TestVagrant is looking to hire a good number of technically smart people to grow their team of full stack QAs. To meet the demand, they are conducting lot of interviews in house on a regular basis.

The recruitment team stores all the data for candidates that come for interviews (stuff like name, experience, organization, interview date, selected or not etc.) . We want to use this data to get a better insight into the overall process and realign recruitment effort in the right direction.

Write a program to calculate the following data for a given date range.

1. People being hired in different experience range
2. What companies are we able to hire candidates from?

Example test data below:

Interviewee 1

Name: ABC

Experience(in years): 4.5

Organization: Sapient

Interview date: 10-Nov-201

Select: no

Interviewee 2

Name: XYZ

Experience(in years): 3.5

Organization: Cognizant

Interview date: 15-Nov-2019

Select: no

Interviewee 3

Name: XYZ

Experience(in years): 8.5

Organization: Cognizant

Interview date: 21-Nov-2019

Select: yes

Interviewee 4

Name: XYZ

Experience(in years): 2.5

Organization: Planit

Interview date: 25-Nov-2019

Select: yes

Expected output:

People hired in 1-5 years experience range: 1

People hired in 5-10 years experience range: 1

People hired in 10-15 years experience range: 0

Companies we hired from: Cognizant, Planit

Demonstrate the following in your solution

1. Your understanding of OOPS concept
2. Relationship between different entities in the problem statement
3. Use appropriate data structure to handle 1000 plus candidates over a period of time.