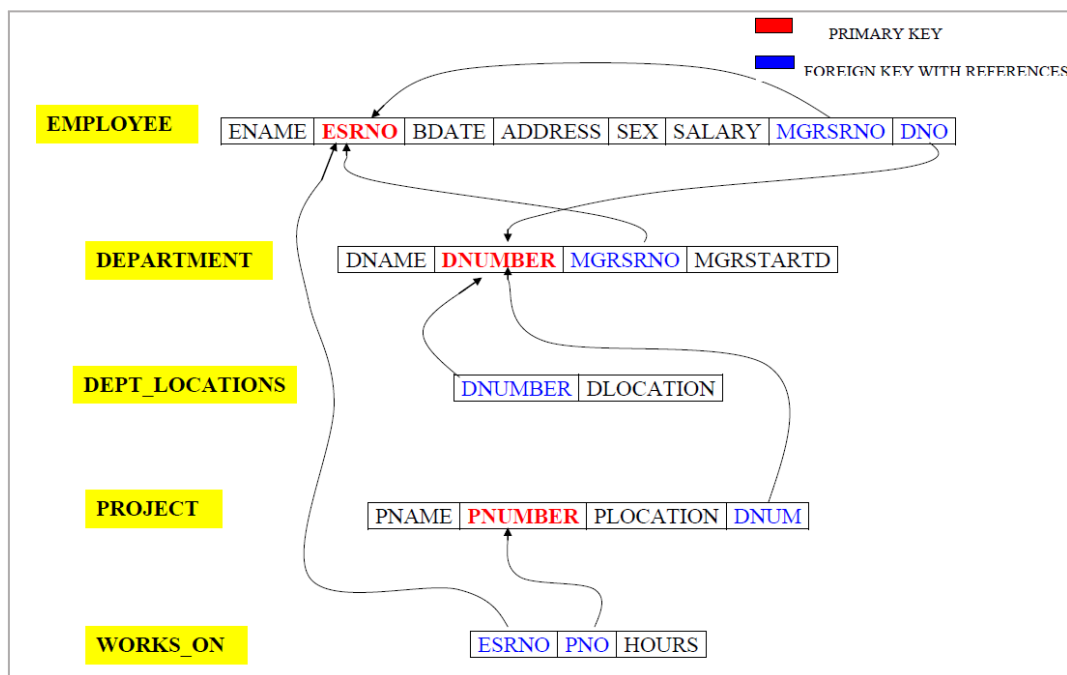Data Science with Python Career Program

Hackathon 1.0

It's about time that you put your SQL skills into action! In this **10 Days long hackathon** , you will be working on an exciting real-world problem statement which can be solved using your learnings of SQL and competing with your co-learners.

Problem Statement

You are a database administrator in an e-commerce company and below are the schema requirements that you need to design. The design can be done easily by downloading the file, and uploading the .sql in My Scripts option and running the script. Download the file from here : Click Here

Database Schema

- *Employee* : Stores employee details
- *Department* : Stores department details of employees
- *Dept_locations* : Stores department locations
- *Project* : Stores details of projects employees are working on
- *Works_on* : Stores working hours and other details of employees

Once you've created the tables, and inserted the records by downloading the above file and running the commands inside Oracle Live SQL, start answering the queries for the questions given in this page.

Note that there are several tables in the schema design. Read the questions thoroughly and then determine which table should be used to get desired output.

Queries

Major Question 1   (25 marks)

A) List the salary of all the employees.

B) Display the names of all employees with any "A" at any place of the name.

C) Show all employees who were hired in the first half of the month (Before the 16th of the month).

D) Display the name of all female employees.

E) Display the employee who is paid most in the company.

Major Question 2   (25 marks)

A) Display employee name, address, department no and department name.

B) Display all the employees who are *not in* ACADEMIC department

C) Display SATYA'S project location.

D) Find the total working hours of *each* female employee.

E) Display the details of the people whose projects are located at SOUTH AFRICA.

Platform to be used for building these projects : MySQL Workbench

Oracle Live SQL is an online platform that you can use readily to fire SQL Queries anytime, anywhere. The best thing about it is that you don't need any kind of installation to use this. **All you need is a stable internet connection and a browser to access it.**

The website to visit is given here : Oracle Live SQL

Points to Note

- Do not try to copy the answers from the internet or your peers, as it may lead to the elimination from the hackathon.
- Try to maintain the code in proper format and try to include comments as much as you can.

Process for Submission

You just need to fill out the answer sheet by copying and pasting the query in the text box provided below each question. Insert the output screenshot in the area provided below the answer text box. Download the sheet from here : **Answer Sheet (SQL).docx** , fill the answers by opening in MS Word and *upload it in the form below*.

That's all folks. Hope you guys give your best and have a great competition among yourselves. *All the best!*