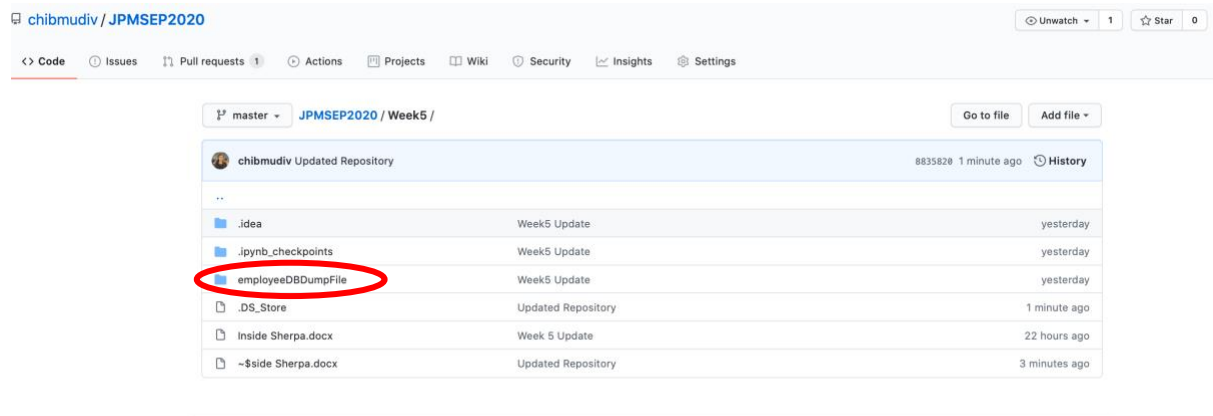# Inside Sherpa Week 5: Find employees who meet specific criteria
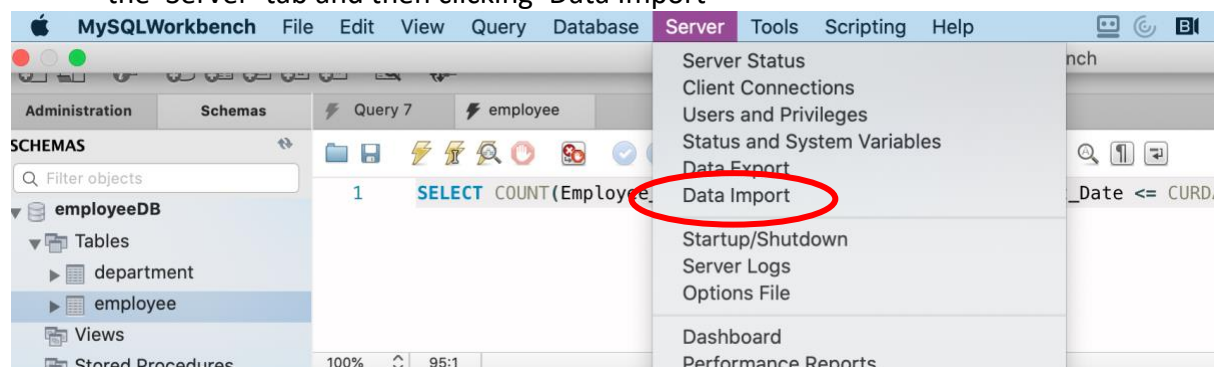## EXECUTION INSTRUCTIONS AND INPUT/OUTPUT EXPECTATIONS

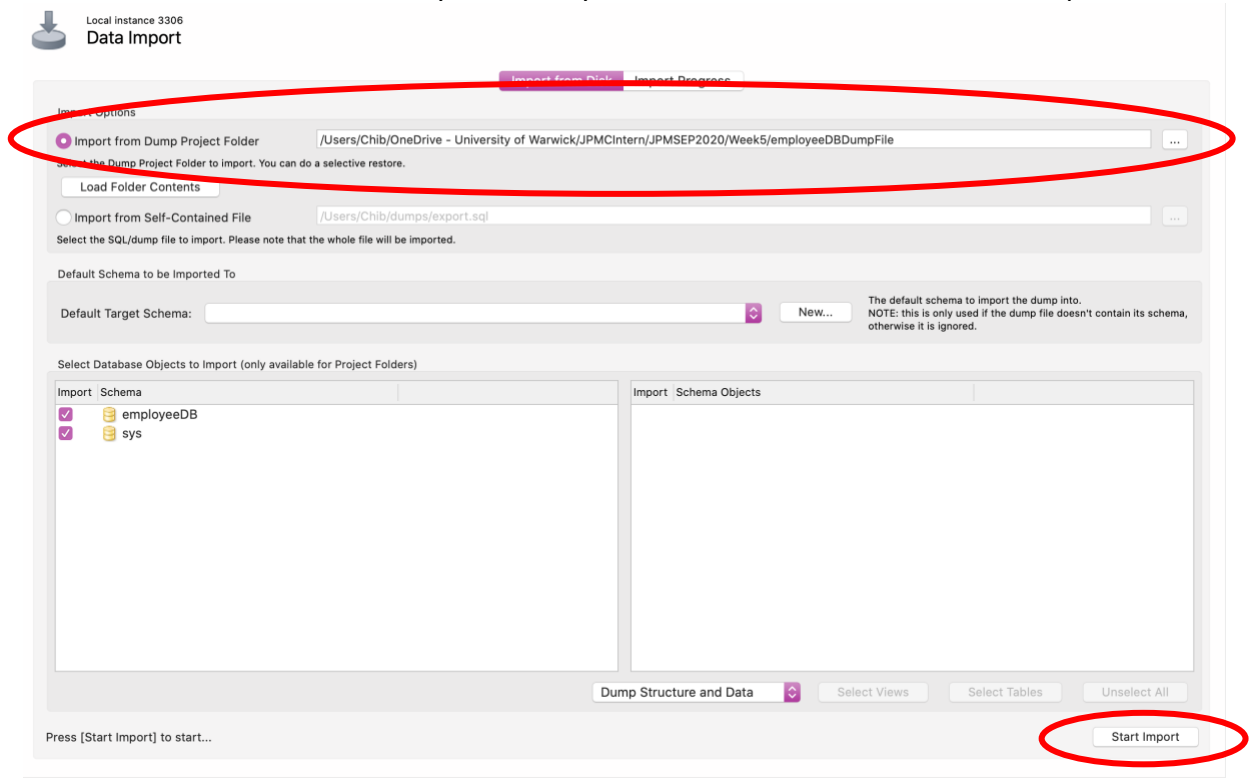**DATABASE EXECUTION INSTRUCTIONS: Importing to MySQL WorkBench**

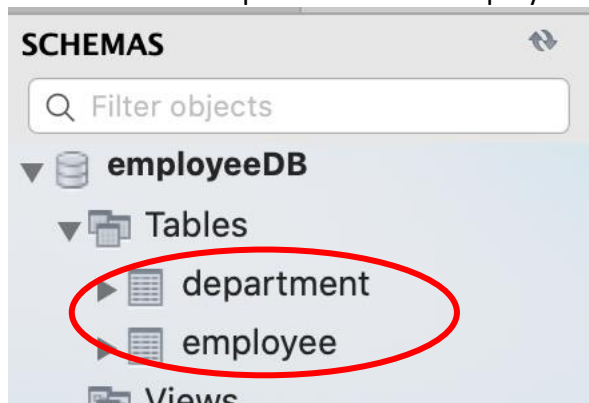➔ Database schemas are stored in 'employeeDBDumpFile', located in Week5 folder of GitHub repository.

➔ Once Database schemas are downloaded, import into MySQL Workbench, by clicking the 'Server' tab and then clicking 'Data Import'

➔ In the 'Import from Dump Project Folder' section, select 'employeeDBDumpFile' from where it is currently saved on your PC. Once loaded, select 'start import'.

➔ Schemas should now be loaded into MySQL WorkBench, allowing you to view tables named 'department' and 'employee'.

➔ Department table

Department_ID	Department_Name
D1	Architecture
D2	Scrum Master
D3	Production Support
D4	Software Engineering
NULL	NULL

➜ Employee table

Employee_ID	Employee_Name	Hire_Date	Department_ID	IS_Active	Employee_Last_Date
E11	Sarita	2006-08-05 00:00:00	D1	Y	NULL
E12	Mary	1998-05-08 00:00:00	D3	N	2010-05-28
E13	Nick	2004-06-14 00:00:00	D3	Y	NULL
E2	Rekha	1995-04-15 00:00:00	D3	Y	NULL
E3	Sara	1994-04-06 00:00:00	D3	N	1996-06-06
E4	Natasha	2001-06-14 00:00:00	D4	Y	NULL
E5	Svetlana	2004-08-05 00:00:00	D3	Y	NULL
E6	Mark	1996-05-08 00:00:00	D1	N	1997-04-09
E7	Sabina	2002-06-14 00:00:00	D3	Y	NULL
E8	Darrel	2005-08-05 00:00:00	D3	Y	NULL
E9	Kwong	1997-05-08 00:00:00	D4	N	1998-05-09
NULL	NULL	NULL	NULL	NULL	NULL

INPUT/OUTPUT EXPECTATIONS:

Query 1: Write a query to select all the active employees who joined "Production Support" job family in Jun 2002, Apr 1995 and Jun 2004.

Input:
```
SELECT e.Employee_ID, e.Employee_Name FROM employee e JOIN
department d ON e.Department_ID = d.Department_ID WHERE
(d.Department_Name = "Production Support") AND
(e.IS_Active='Y') AND (YEAR(e.Hire_Date)=1995 AND
MONTH(e.Hire_Date)=4) OR (YEAR(e.Hire_Date)=2002 AND
MONTH(e.Hire_Date)=6) OR (YEAR(e.Hire_Date)=2004 AND
MONTH(e.Hire_Date)=6)
```

Expected output:

Employee_ID	Employee_Name
▶ E13	Nick
E2	Rekha
E7	Sabina

Query 2: Write a query to count number of employees who left the organization.

Input:
```
SELECT COUNT(Employee_ID) FROM employee WHERE
Employee_Last_Date <= CURDATE() OR IS_Active='N'
```

Expected output:

COUNT(Employee_ID)
▶ 4