DATABASE MANAGEMENT SYSTEM CS23332

EXERCISE 4
WRITING BASIC SQL SELECT STATEMENTS

JOTHIKA K
241801110

2. Show the structure of departments the table. Select all the data from it.

```
Language  SQL  ⌄  ⊙   Rows  10  ⌄  ⊙   Clear Command   Find Tables
↺  C   Q    ✎   A∷
1    DESC DEPARTMENT;
```

Results   Explain   **Describe**   Saved SQL   History

Object Type **TABLE** ⊙   Object **DEPARTMENT** ⊙

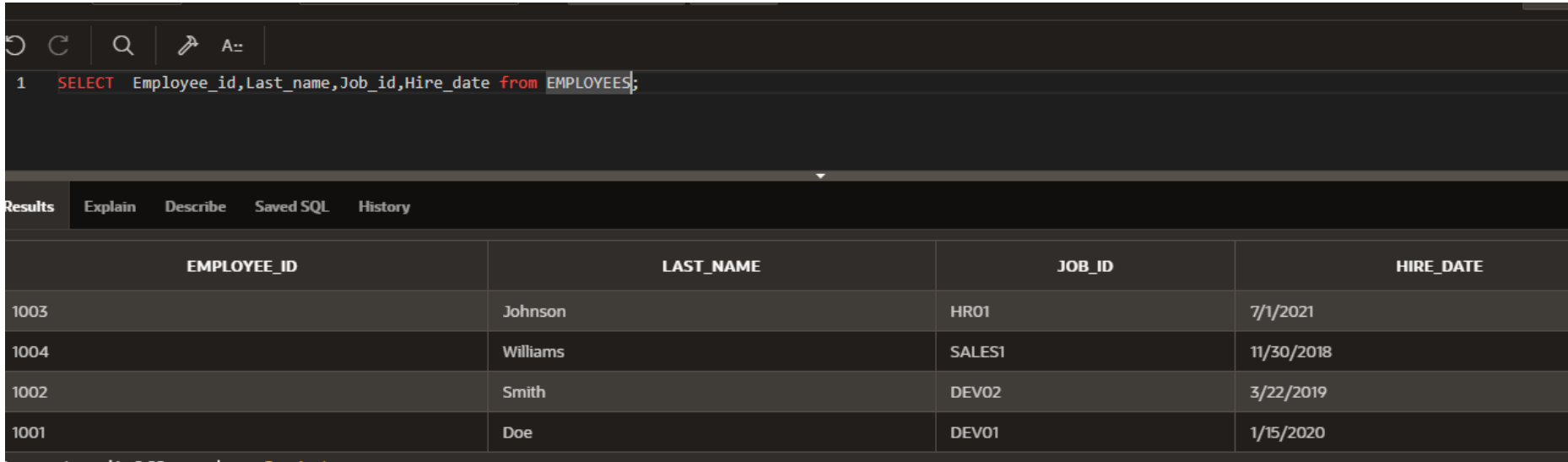| Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
DEPARTMENT	DEPT_ID	NUMBER	-	6	0	1	-	-	-
	DEPT_NAME	VARCHAR2	20	-	-	-	-	-	-
	MANAGER_ID	NUMBER	-	6	0	-	✎	-	-
	LOCATION_ID	NUMBER	-	4	0	-	✎	-	-

```
1    DESC DEPARTMENT;
2    SELECT * FROM DEPARTMENT;
```

Results Explain   Describe   Saved SQL   History

DEPT_ID	DEPT_NAME	MANAGER_ID	LOCATION_ID
10	Development	1001	101
20	Human Resources	1003	102
30	Sales	1004	103
40	Finance	-	104

4 rows returned in 0.03 seconds   Download

3. Create a query to display the last name, job code, hire date, and employee number for each employee, with employee number appearing first.
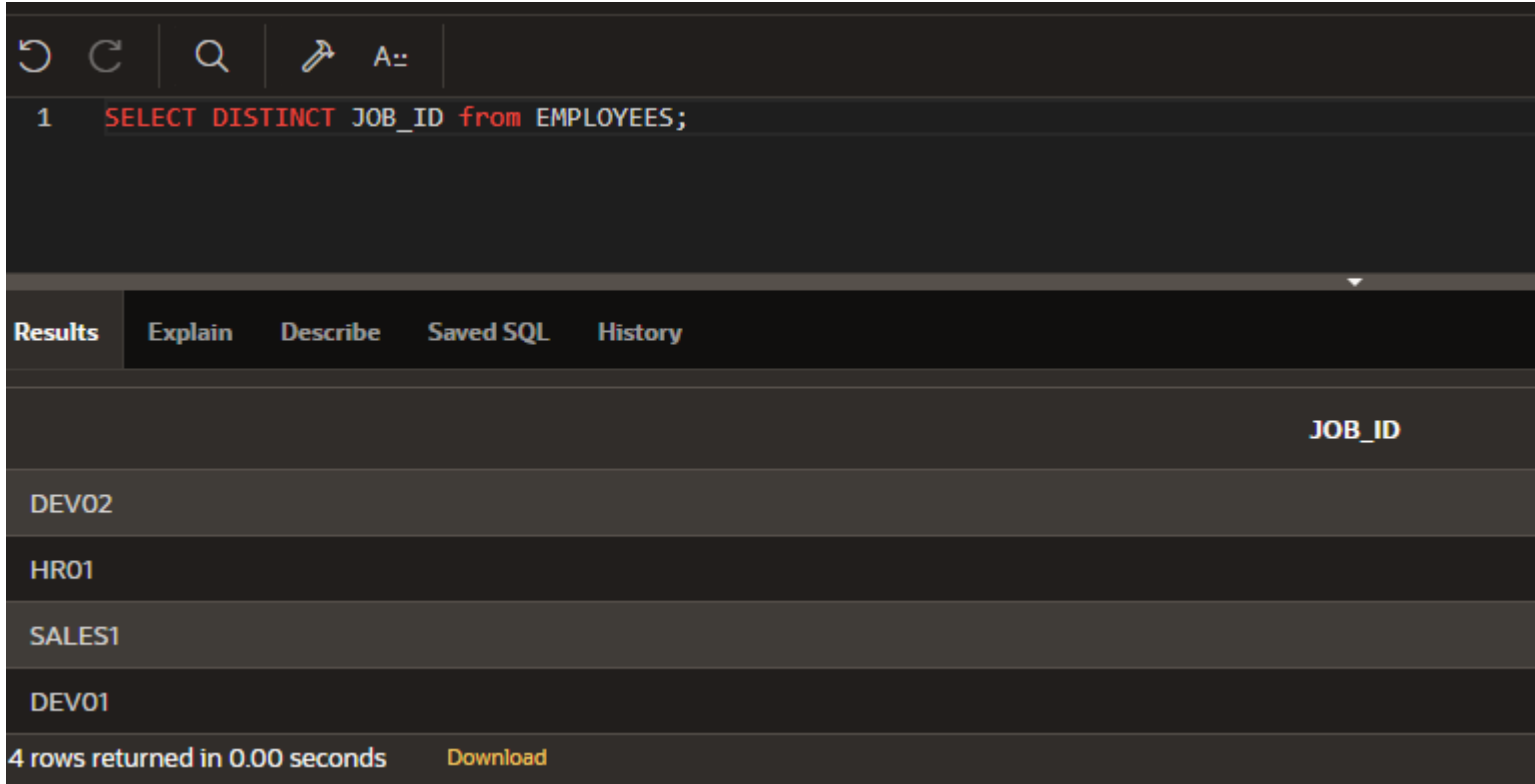
```
1    SELECT  Employee_id,Last_name,Job_id,Hire_date from EMPLOYEES;
```

Results   Explain   Describe   Saved SQL   History

EMPLOYEE_ID	LAST_NAME	JOB_ID	HIRE_DATE
1003	Johnson	HR01	7/1/2021
1004	Williams	SALES1	11/30/2018
1002	Smith	DEV02	3/22/2019
1001	Doe	DEV01	1/15/2020

4. Provide an alias STARTDATE for the hire date.


```sql
SELECT Employee_id,Last_name,Job_id,Hire_date AS STARTDATE from EMPLOYEES;
```

EMPLOYEE_ID	LAST_NAME	JOB_ID	STARTDATE
1003	Johnson	HR01	7/1/2021
1004	Williams	SALES1	11/30/2018
1002	Smith	DEV02	3/22/2019
1001	Doe	DEV01	1/15/2020

4 rows returned in 0.01 seconds   Download

5. Create a query to display unique job codes from the employee table.

```
1   SELECT DISTINCT JOB_ID from EMPLOYEES;
```

Results   Explain   Describe   Saved SQL   History

JOB_ID
DEV02
HR01
SALES1
DEV01

4 rows returned in 0.00 seconds   Download

6. Display the last name concatenated with the job ID , separated by a comma and space, and name the column EMPLOYEE and TITLE.
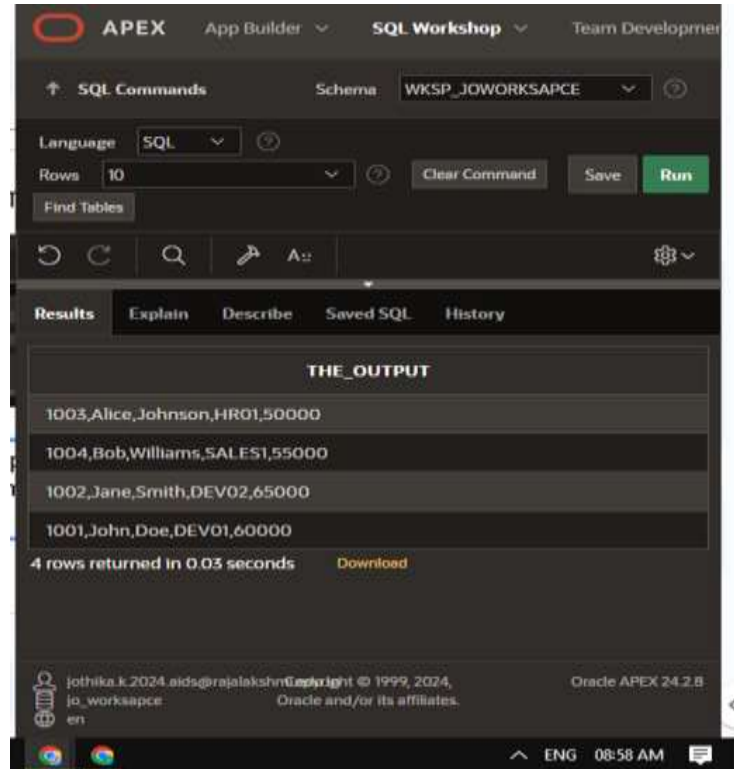
7. Create a query to display all the data from the employees table. Separate each column by a comma. Name the column THE_OUTPUT

APEX   App Builder ∨   **SQL Workshop** ∨   Team Developmen

⬆ **SQL Commands**   Schema   WKSP_JOWORKSAPCE   ∨   ⑦

Language   SQL   ∨   ⑦
Rows   10   ∨   ⑦   Clear Command   Save   **Run**
Find Tables

⟳ C   🔍   🔧 A: ⚙∨

Results   Explain   Describe   Saved SQL   History

THE_OUTPUT
1003,Alice,Johnson,HR01,50000
1004,Bob,Williams,SALES1,55000
1002,Jane,Smith,DEV02,65000
1001,John,Doe,DEV01,60000

4 rows returned in 0.03 seconds   Download

jothika.k.2024.aids@rajalakshmi... Copyright © 1999, 2024,   Oracle APEX 24.2.8
jo_worksapce   Oracle and/or its affiliates.
en

∧ ENG 08:58 AM 📰