

DATABASE MANAGEMENT SYSTEM

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EXP: 3

WRITING BASIC SQL SELECT STATEMENTS

Create table EMP(Employee_id varchar(4), Last_Name varchar(25), Job_code varchar(4), Sal number(9), hire_date date ,Dept_id varchar (4));

1. Select Employee_id, Last_Name, Sal*12 as ANNUAL SALARY from EMP;

EMPLOYEE_ID	LAST_NAME	ANNUAL_SALARY
E001	Smith	900000
E002	Johnson	780000
E003	Williams	696000

2. DESC EMP;

Select *from EMP;

Object Type **TABLE** Object **EMPL**

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
<u>EMPL</u>	<u>EMPLOYEE_ID</u>	VARCHAR2	4	-	-	-	✓	-	-
	<u>LAST_NAME</u>	VARCHAR2	25	-	-	-	✓	-	-
	<u>JOB_CODE</u>	VARCHAR2	4	-	-	-	✓	-	-
	<u>SAL</u>	NUMBER	-	9	0	-	✓	-	-
	<u>HIRE_DATE</u>	DATE	7	-	-	-	✓	-	-
	<u>DEPT_ID</u>	VARCHAR2	4	-	-	-	✓	-	-
1 - 6									

EMPLOYEE_ID	LAST_NAME	JOB_CODE	SAL	HIRE_DATE	DEPT_ID
E001	Smith	MGR	75000	01/15/2022	D001
E002	Johnson	DEV	65000	03/22/2023	D002
E003	Williams	HR	58000	06/10/2024	D003

3. Select Employee_id, Last_Name ,Job_code, hire_date from EMP;

EMPLOYEE_ID	LAST_NAME	JOB_CODE	HIRE_DATE
E001	Smith	MGR	01/15/2022
E002	Johnson	DEV	03/22/2023
E003	Williams	HR	06/10/2024

4. Select hire_date as STARTDATE from EMP;

STARTDATE
01/15/2022
03/22/2023
06/10/2024

5. select distinct Job_code from EMP;

JOB_CODE
DEV
HR
MGR

6. select Last_Name || ', ' || Job_code as 'EMPLOYEE and TITLE' from EMP;

EMPLOYEE and TITLE
Smith, MGR
Johnson, DEV
Williams, HR

7. select Employee_ID || ', ' || Last_Name || ', ' || Sal || ', ' || Dept_id as 'THE_OUTPUT' from EMP;

THE_OUTPUT
E001, Smith, 75000, D001
E002, Johnson, 65000, D002
E003, Williams, 58000, D003