

EX.NO.: 3		WRITING BASIC SQL SELECT STATEMENTS
DATE :	30/07/2024	

FIND THE SOLUTION FOR THE FOLLOWING:

TRUE OR FALSE

1. THE FOLLOWING STATEMENT EXECUTES SUCCESSFULLY.

IDENTIFY THE ERRORS
SELECT EMPLOYEE_ID,
LAST_NAMESAL*12 ANNUAL
SALARY
FROM
EMPLOYEES;

FALSE

THE COLUMNS IN SELECT STATEMENT SHOULD BE SEPARATED BY COMMAS AND
THE COLUMN ALIAS SHOULD BE GIVEN BY USING A KEYWORD "AS"

SELECT EMPLOYEE_ID, LAST_NAME, SALARY*12 AS "ANNUAL
SALARY"FROM EMPLOYEES;

Results

Explain

Describe

Saved SQL

History

EMPLOYEE_ID	LAST_NAME	ANNUAL SALARY
2	Stone	66000
10	Rudd	30000
11	Larson	86400
20	Olson	87600
25	Austin	116400
27	Goldblum	42000
3	Downey	108000
18	Gillan	82800
21	Mackie	48000
22	Stan	108000

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Oracle APX 24c

2) SHOW THE STRUCTURE OF DEPARTMENTS THE TABLE. SELECT ALL THE DATA FROM IT.

DESC EMPLOYEES;

ResultsExplainDescribeSaved SQLHistory

Object TypeTABLEObjectEMPLOYEES

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
EMPLOYEES	EMPLOYEE_ID	NUMBER	-	6	0	1	-	-	-
	FIRST_NAME	VARCHAR2	20	-	-	-	✓	-	-
	LAST_NAME	VARCHAR2	25	-	-	-	-	-	-
	EMAIL	VARCHAR2	25	-	-	-	-	-	-
	PHONE_NUMBER	VARCHAR2	20	-	-	-	✓	-	-
	HIRE_DATE	DATE	7	-	-	-	-	-	-
	JOB_ID	VARCHAR2	10	-	-	-	-	-	-
	SALARY	NUMBER	-	8	2	-	✓	-	-
	COMMISSION_PCT	NUMBER	-	2	2	-	✓	-	-
	MANAGER_ID	NUMBER	-	6	0	-	✓	-	-
	DEPARTMENT_ID	NUMBER	-	4	0	-	✓	-	-

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3. CREATE A QUERY TO DISPLAY THE LAST NAME, JOB CODE, HIRE DATE, AND EMPLOYEE NUMBER FOREACH EMPLOYEE, WITH EMPLOYEE NUMBER APPEARING FIRST.

SELECT EMPLOYEE_ID , JOB_ID , LAST_NAME , HIRE_DATE FROM EMPLOYEES;

Results	Explain	Describe	Saved SQL	History
EMPLOYEE_ID	JOB_ID	LAST_NAME	HIRE_DATE	
2	#es002	Stone	11/06/1990	
10	#pr010	Rudd	04/06/1969	
11	#bi011	Larson	10/01/1989	
20	#eo020	Olsen	02/16/1989	
25	#ch025	Austin	05/14/1969	
27	#lg027	Goldblum	10/22/1952	
3	#rd003	Downey	04/04/1965	
18	#kg018	Gillan	11/28/1987	
21	#am021	Mackie	09/23/1978	
22	#ss022	Stan	08/15/1982	

More than 10 rows available. Increase rows selector to view more rows.
10 rows returned in 0.01 seconds [Download](#)

4) PROVIDE AN ALIAS STARTDATE FOR THE

HIRE DATE. SELECT HIRE_DATE AS

"STARTDATE" FROM EMPLOYEES;

Results

Explain

Describe

Saved SQL

History

STARTDATE

11/06/1990

04/06/1969

10/01/1989

02/16/1989

05/14/1969

10/22/1992

04/04/1965

11/28/1987


09/23/1978


08/13/1982

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5) CREATE A QUERY TO DISPLAY UNIQUE JOB CODES FROM THE EMPLOYEE TABLE.
`SELECT DISTINCT(JOB_ID) FROM EMPLOYEES;`

Results

Explain

Describe

Saved SQL

History

JOB_ID

#cs005

#mv006

#th024

#th009

#sa004

#tw030

#kg018

#ka028

#j0001

#ch007

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6) DISPLAY THE LAST NAME CONCATENATED WITH THE JOB ID , SEPARATED BY A COMMA AND SPACE,AND NAME THE COLUMN EMPLOYEE AND TITLE.

`SELECT LAST_NAME || ' ' || ' ' || ' ' || JOB_ID AS "EMPLOYEE AND TITLE" FROM EMPLOYEES;`

Results

Explain

Describe

Saved SQL

History

EMPLOYEE AND TITLE

Stone , #es002

Rudd , #pr010

Larson , #bl011

Olsen , #eo020

Austin , #ch025

Goldblum , #gg027

Downey , #rd003

Gillan , #kg018

Mackie , #am021

Stan , #ss022

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7. CREATE A QUERY TO DISPLAY ALL THE DATA FROM THE EMPLOYEES TABLE. SEPARATE EACH COLUMN BYA COMMA. NAME THE COLUMN THE_OUTPUT.

```
SELECT EMPLOYEE_ID || ',' || FIRST_NAME || ',' || LAST_NAME || ',' || EMAIL || ',' ||
PHONE_NUMBER || ',' || HIRE_DATE || ',' || JOB_ID || ',' || SALARY || ',' ||
COMMISSION_PCT || ',' || MANAGER_ID || ',' || DEPARTMENT_ID AS "THE_OUTPUT"
FROM EMPLOYEES;
```

Results

Explain

Describe

Saved SQL

History

THE_OUTPUT

2

Emma

Stone

emma002@gmail.com

9840237513

11/06/1990

#es002

5500

15

200

15

10

Paul

Rudd

paul010@gmail.com

9840237521

04/06/1969

#pr010

2500

16

250

30

11

Brie

Larson

brie011@gmail.com

9840237522

10/01/1989

#bl011

7200

18

400

35

20

Elizabeth

Olsen

elizabeth020@gmail.com

9840237531

02/16/1989

#eo020

7500

12

800

90

25

Cate

Austin

cate025@gmail.com

9840237536

05/14/1999

#ca025

9700

11

100

55

27

Jeff

Goldblum

jeff027@gmail.com

9840237538

10/22/1952

#jg027

3500

13

200

75

3

Robert

Downey

robert003@gmail.com

9840237514

04/04/1965

#rd003

9000

2

350

40

18

Karen

Gillan

karen018@gmail.com

9840237529

11/28/1987

#kg018

6900

16

600

95

21

Anthony

Mackie

anthony021@gmail.com

9840237552

09/23/1978

#am021

4000

13

850

30

22

Sebastian

Stan

sebastian022@gmail.com

9840237533

08/15/1982

#ss022

9000

14

550

75

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