DATA BASE LAB Task 1

SQL Commands:

1 . CREATING A NEW DATATABLE

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```
CREATE TABLE EMP02
(
ID INT,
ENAME VARCHAR(255),
CITY VARCHAR(255),
JOB VARCHAR(255),
SAL INT
);
```

Results Explain Describe Saved SQL History

Table created.

0.68 seconds

2. SEARCH THE DESCRIPTION OF A TABLE

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```
DESC EMP02|
```

Results   Explain   **Describe**   Saved SQL   History

Object Type **TABLE** Object **EMP02**

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
EMP02	ID	Number	-	-	0	-	✓	-	-
	ENAME	Varchar2	255	-	-	-	✓	-	-
	CITY	Varchar2	255	-	-	-	✓	-	-
	JOB	Varchar2	255	-	-	-	✓	-	-
	SAL	Number	-	-	0	-	✓	-	-
									1 - 5

3. INSERT DATA INTO A TABLE

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```
INSERT INTO EMP02(ID,ENAME,CITY,JOB,SAL)
VALUES(5121,'SIMTH','GRACE','IT',15000)
```

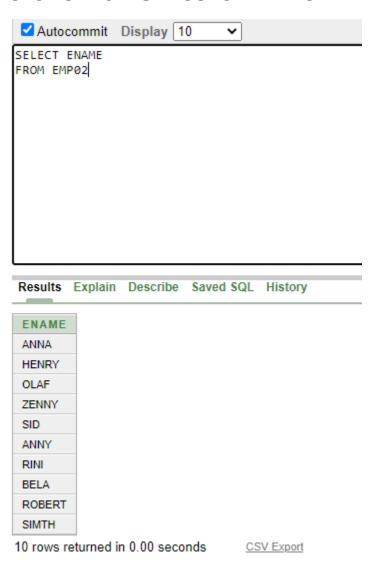**Results**   Explain   Describe   Saved SQL   History

1 row(s) inserted.

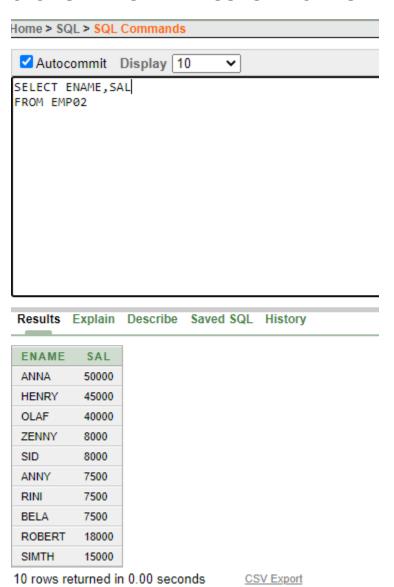0.00 seconds

4. SHOW ALL DATA FROM A TABLE

```
SELECT*
FROM EMP02
```

Results **Explain** **Describe** **Saved SQL** **History**

ID	ENAME	CITY	JOB	SAL
5112	ANNA	DHAKA	PRESIDENT	50000
5113	HENRY	DILHI	MD	45000
5114	OLAF	DHAKA	MANAGER	40000
5115	ZENNY	SHYLET	RECEPTIONIST	8000
5116	SID	SHYLET	RECEPTIONIST	8000
5117	ANNY	NEWWORK	SALESMAN	7500
5118	RINI	NEWWORK	SALESMAN	7500
5119	BELA	BOTSON	SALESMAN	7500
5120	ROBERT	GRACE	ACCOUNT	18000
5121	SIMTH	GRACE	IT	15000

10 rows returned in 0.49 seconds   CSV Export

5. SHOW SINGLE COLUMN FROM THE TABLE

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```
SELECT ENAME
FROM EMP02
```

Results   Explain   Describe   Saved SQL   History

ENAME
ANNA
HENRY
OLAF
ZENNY
SID
ANNY
RINI
BELA
ROBERT
SIMTH

10 rows returned in 0.00 seconds   CSV Export

6. SHOW MULTIPLE COLUMNS FROM THE TABLE

☑ Autocommit Display [10 ▼]

```
SELECT ENAME,SAL
FROM EMP02
```

Results Explain Describe Saved SQL History

ENAME	SAL
ANNA	50000
HENRY	45000
OLAF	40000
ZENNY	8000
SID	8000
ANNY	7500
RINI	7500
BELA	7500
ROBERT	18000
SIMTH	15000

10 rows returned in 0.00 seconds   CSV Export

7. SHOW DATA TABLE BY ARITHMETIC OPERATION

☑Autocommit Display 10 ⌄

```
SELECT ENAME,SAL+200
FROM EMP02
```

Results Explain Describe Saved SQL History

ENAME	SAL+200
ANNA	50200
HENRY	45200
OLAF	40200
ZENNY	8200
SID	8200
ANNY	7700
RINI	7700
BELA	7700
ROBERT	18200
SIMTH	15200

10 rows returned in 0.00 seconds   CSV Export

☑ Autocommit Display [10 ▼]

```
SELECT ENAME,12*(SAL+200)
FROM EMP02
```

Results Explain Describe Saved SQL History

ENAME	12*(SAL+200)
ANNA	602400
HENRY	542400
OLAF	482400
ZENNY	98400
SID	98400
ANNY	92400
RINI	92400
BELA	92400
ROBERT	218400
SIMTH	182400

10 rows returned in 0.00 seconds   CSV Export

8. CREATING NEW STATEMENT USING ALIAS COLUMNS

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```
SELECT ENAME,SAL,SAL*2+200 AS BONUS
FROM EMP02
```

Results   Explain   Describe   Saved SQL   History

ENAME	SAL	BONUS
ANNA	50000	100200
HENRY	45000	90200
OLAF	40000	80200
ZENNY	8000	16200
SID	8000	16200
ANNY	7500	15200
RINI	7500	15200
BELA	7500	15200
ROBERT	18000	36200
SIMTH	15000	30200

9. Using the Concatenation Operator

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```
SELECT ENAME    ||' '||'is a'||' '||job
FROM EMP02
```

Results   Explain   Describe   Saved SQL   History

ENAME||''||'ISA'||''||JOB
ANNA is a PRESIDENT
HENRY is a MD
OLAF is a MANAGER
ZENNY is a RECEPTIONIST
SID is a RECEPTIONIST
ANNY is a SALESMAN
RINI is a SALESMAN
BELA is a SALESMAN
ROBERT is a ACCOUNT
SIMTH is a IT