**AGGREGATE FUNCTION**

CREATE TABLE EMP(E\_ID NUMBER(10) PRIMARY KEY,ENAME VARCHAR(20),AGE NUMBER(3),SALARY NUMBER(10));

Table created.

SQL> INSERT INTO EMP VALUES(&EID,'&ENAME',&AGE,&SALARY);

Enter value for eid: 1

Enter value for ename: SURYA

Enter value for age: 21

Enter value for salary: 20000

old 1: INSERT INTO EMP VALUES(&EID,'&ENAME',&AGE,&SALARY)

new 1: INSERT INTO EMP VALUES(1,'SURYA',21,20000)

1 row created.

SQL> /

Enter value for eid: 2

Enter value for ename: DEVI

Enter value for age: 21

Enter value for salary: 23000

old 1: INSERT INTO EMP VALUES(&EID,'&ENAME',&AGE,&SALARY)

new 1: INSERT INTO EMP VALUES(2,'DEVI',21,23000)

1 row created.

SQL> /

Enter value for eid: 3

Enter value for ename: TES

Enter value for age: 21

Enter value for salary: 24000

old 1: INSERT INTO EMP VALUES(&EID,'&ENAME',&AGE,&SALARY)

new 1: INSERT INTO EMP VALUES(3,'TES',21,24000)

1 row created.

SQL> SELECT COUNT(E\_ID)FROM EMP;

COUNT(E\_ID)

-----------

3

SQL> SELECT MAX(AGE)FROM EMP;

MAX(AGE)

----------

21

SQL> SELECT MIN(AGE)FROM EMP;

MIN(AGE)

----------

21

SQL> SELECT SUM(SALARY)FROM EMP;

SUM(SALARY)

-----------

67000

SQL> SELECT AVG(SALARY)FROM EMP;

AVG(SALARY)

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22333.3333

SQL>

VIEWS

CREATE OR REPLACE VIEW EMPVIEW AS SELECT AGE,ENAME FROM EMP WHERE AGE<30;

View created.

SQL> SELECT \* FROM EMPVIEW;

AGE ENAME

---------- --------------------

21 SURYA

21 DEVI

21 TES

SQL> CREATE OR REPLACE VIEW EMPVIEW AS SELECT E\_ID,ENAME,SALARY FROM EMP;

View created.

SQL> SELECT \* FROM EMPVIEW;

E\_ID ENAME SALARY

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1 SURYA 20000

2 DEVI 23000

3 TES 24000

SQL> SELECT ENAME,SALARY FROM EMP ORDER BY SALARY DESC;

ENAME SALARY

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TES 24000

DEVI 23000

SURYA 20000

SQL> SELECT ENAME,AGE FROM EMP ORDER BY AGE;

ENAME AGE

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SURYA 21

TES 21

DEVI 21

**FOREIGN KEY**

SQL> CREATE TABLE SAILORS(SID NUMBER(3) PRIMARY KEY,SNAME VARCHAR(20),RATING NUMBER(2),AGE NUMBER(2));

Table created.

SQL> CREATE TABLE BOATS(BID NUMBER(3) PRIMARY KEY,BNAME VARCHAR(20),COLOR VARCHAR(20));

Table created.

SQL> CREATE TABLE RESERVES(SID INT REFERENCES SAILORS,BID INT REFERENCES BOATS(BID),DAY DATE);

Table created.

INSERT INTO SAILORS VALUES(&SID,'&SNAME',&RATING,&AGE);

Enter value for sid: 3

Enter value for sname: SURYA

Enter value for rating: 5

Enter value for age: 21

old 1: INSERT INTO SAILORS VALUES(&SID,'&SNAME',&RATING,&AGE)

new 1: INSERT INTO SAILORS VALUES(3,'SURYA',5,21)

1 row created.

SQL> /

Enter value for sid: 2

Enter value for sname: PARU

Enter value for rating: 3

Enter value for age: 20

old 1: INSERT INTO SAILORS VALUES(&SID,'&SNAME',&RATING,&AGE)

new 1: INSERT INTO SAILORS VALUES(2,'PARU',3,20)

1 row created.

SELECT SNAME,AGE FROM SAILORS;

SNAME AGE

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SURYA 21

PARU 20

SQL>