4.

CREATE TABLE SALES(

SNO VARCHAR(10) PRIMARY KEY,

SNAME VARCHAR(20) NOT NULL,

MNO VARCHAR(10),

MAN\_NAME VARCHAR(20),

JOIN\_DATE DATE NOT NULL,

DOB DATE NOT NULL,

CONSTRAINT DOB CHECK((JOIN\_DATE-DOB)>18),

SALARY NUMBER(10,2) NOT NULL,

SALES\_AMOUNT NUMBER(10) NOT NULL,

COMMISSION NUMBER(10) DEFAULT 0

);

Table created.

INSERT INTO

SALES(SNO,SNAME,MNO,MAN\_NAME,JOIN\_DATE,DOB,SALARY,SALES\_AMOUNT,COMMISSION)

VALUES('S104','Vignesh','M104','Sundar Pichai','06-Jan-2022','13-April-2001',150000,155000,default);

1 row(s) inserted.

select \*from sales;

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **SNO** | **SNAME** | **MNO** | **MAN\_NAME** | **JOIN\_DATE** | **DOB** | **SALARY** | **SALES\_AMOUNT** | **COMMISSION** |
| S101 | Anupama | M101 | basavraj | 06-JAN-17 | 01-AUG-95 | 10000 | 5000 | 0 |
| S102 | Vijay | M102 | Ravija | 10-JUN-07 | 01-AUG-85 | 20000 | 8000 | 0 |
| S103 | Ritheesh | M101 | Basavraj | 06-JUL-18 | 15-MAY-94 | 15000 | 7000 | 0 |
| S104 | Vignesh | M104 | Sundar Pichai | 06-JAN-22 | 13-APR-01 | 150000 | 155000 | 0 |
| S105 | Akash | M101 | Basavraj | 08-FEB-17 | 01-AUG-91 | 20000 | 50000 | 0 |
| S106 | Asish | M103 | Ambani | 06-JAN-19 | 01-AUG-98 | 20000 | 5000 | 0 |
| S107 | Ravija | M101 | Basavraj | 06-JAN-18 | 01-AUG-95 | 12000 | 50000 | 0 |
| S108 | Suketha | M101 | Basavraj | 06-JAN-17 | 01-MAY-95 | 15000 | 15000 | 0 |
| S109 | Manjunath | M101 | Basavraj | 06-JAN-19 | 01-AUG-75 | 18000 | 8000 | 0 |
| S110 | Sukeertha | M101 | Basavraj | 06-JAN-25 | 24-AUG-01 | 10000 | 15000 | 0 |

A)

SELECT \*FROM SALES

WHERE SALARY >(SELECT AVG(SALARY) FROM SALES);

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **SNO** | **SNAME** | **MNO** | **MAN\_NAME** | **JOIN\_DATE** | **DOB** | **SALARY** | **SALES\_AMOUNT** | **COMMISSION** |
| S104 | Vignesh | M104 | Sundar Pichai | 06-JAN-22 | 13-APR-01 | 150000 | 155000 | 0 |

B)

UPDATE SALES SET COMMISSION = SALES\_AMOUNT\*0.2;

10 row(s) updated.

SELECT \*FROM SALES;

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **SNO** | **SNAME** | **MNO** | **MAN\_NAME** | **JOIN\_DATE** | **DOB** | **SALARY** | **SALES\_AMOUNT** | **COMMISSION** |
| S101 | Anupama | M101 | basavraj | 06-JAN-17 | 01-AUG-95 | 10000 | 5000 | 1000 |
| S102 | Vijay | M102 | Ravija | 10-JUN-07 | 01-AUG-85 | 20000 | 8000 | 1600 |
| S103 | Ritheesh | M101 | Basavraj | 06-JUL-18 | 15-MAY-94 | 15000 | 7000 | 1400 |
| S104 | Vignesh | M104 | Sundar Pichai | 06-JAN-22 | 13-APR-01 | 150000 | 155000 | 31000 |
| S105 | Akash | M101 | Basavraj | 08-FEB-17 | 01-AUG-91 | 20000 | 50000 | 10000 |
| S106 | Asish | M103 | Ambani | 06-JAN-19 | 01-AUG-98 | 20000 | 5000 | 1000 |
| S107 | Ravija | M101 | Basavraj | 06-JAN-18 | 01-AUG-95 | 12000 | 50000 | 10000 |
| S108 | Suketha | M101 | Basavraj | 06-JAN-17 | 01-MAY-95 | 15000 | 15000 | 3000 |
| S109 | Manjunath | M101 | Basavraj | 06-JAN-19 | 01-AUG-75 | 18000 | 8000 | 1600 |
| S110 | Sukeertha | M101 | Basavraj | 06-JAN-25 | 24-AUG-01 | 10000 | 15000 | 3000 |

C)

SELECT S1.SNO,S1.SNAME,S1.MAN\_NAME,S1.SALARY,S1.COMMISSION FROM SALES S1,SALES S2 WHERE (S1.SALARY+S1.COMMISSION>S2.SALARY)AND(S1.MAN\_NAME=S2.SNAME);

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **SNO** | **SNAME** | **MAN\_NAME** | **SALARY** | **COMMISSION** |
| S102 | Vijay | Ravija | 20000 | 1600 |

D)

SELECT \*FROM SALES

WHERE TRUNC((MONTHS\_BETWEEN(SYSDATE,JOIN\_DATE)/12))>10;

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **SNO** | **SNAME** | **MNO** | **MAN\_NAME** | **JOIN\_DATE** | **DOB** | **SALARY** | **SALES\_AMOUNT** | **COMMISSION** |
| S102 | Vijay | M102 | Ravija | 10-JUN-07 | 01-AUG-85 | 20000 | 8000 | 1600 |