create table DEPARTMENT(

DNO VARCHAR(20) PRIMARY KEY,

DNAME VARCHAR(20) NOT NULL,

CNT\_EMP INT CHECK(CNT\_EMP<=15),

DEPT\_HOD VARCHAR(20)

);

create table EMPLOYEE(

ENO varchar(20) primary key check(ENO like 'E%'),

ENAME varchar(20) NOT NULL,

SALARY INT CHECK(SALARY>0),

DNO VARCHAR(20) REFERENCES DEPARTMENT(DNO),

MNRRNO int,

DOJ DATE,

JOB VARCHAR(20),

ADDRESS VARCHAR(30),

CITY VARCHAR(20)

check(CITY IN('COCHIN','BOMBAY','MADRAS','DELHI')),

int

);

insert into DEPARTMENT VALUES('d10','Sales',14,'Dhoni Thomas');

insert into DEPARTMENT VALUES('d01','Computer',12,'EBIN ANTU');

insert into DEPARTMENT VALUES('d11','MARKETING',10,'RAHUL');

insert into DEPARTMENT VALUES('d12','HR',6,'ALWIN GEORGE');

insert into DEPARTMENT VALUES('d02','ACCOUNTS',8,'SACHIN CR');

insert into DEPARTMENT VALUES('d13','PURCHASE',9,'SREEJITH');

insert into DEPARTMENT VALUES('d03','PRODUCTION',15,'RAVI MN');

insert into DEPARTMENT VALUES('d05','SECURITY',6,'RAM DAS');

desc DEPARTMENT;

|  |  |  |
| --- | --- | --- |
| **Name** | **Null?** | **Type** |
| DNO | NOT NULL | VARCHAR2(20) |
| DNAME | NOT NULL | VARCHAR2(20) |
| CNT\_EMP |  | NUMBER(38) |

|  |  |  |  |
| --- | --- | --- | --- |
| **DNO** | **DNAME** | **CNT\_EMP** | **DEPT\_HOD** |
| d10 | Sales | 14 | Dhoni Thomas |
| d01 | Computer | 12 | EBIN ANTU |
| d11 | MARKETING | 10 | RAHUL |
| d12 | HR | 6 | ALWIN GEORGE |
| d02 | ACCOUNTS | 8 | SACHIN CR |
| d13 | PURCHASE | 9 | SREEJITH |
| d03 | PRODUCTION | 15 | RAVI MN |
| D30 | SECURITY | 6 | RAM DAS |

insert into EMPLOYEE values('E002','RAJU',10000,'d10',1498,'12.SEP.2000','WORKER','XYC house','BOMBAY',63103);

insert into EMPLOYEE values('E010','JEEVAN',7000,'d10',1498,'20.JAN.2002','STAFF','cfd house','DELHI',67865);

insert into EMPLOYEE values('E011','DEEVAN',30000,'d10',1498,'19.APR.2001','SALES MANAGER','rr house','COCHIN',609841);

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **ENO** | **ENAME** | **SALARY** | **DNO** | **MNRRNO** | **DOJ** | **JOB** | **ADDRESS** | **CITY** | **PINCODE** |
| E002 | RAJU | 10000 | d10 | 1498 | 12-SEP-00 | WORKER | XYC house | BOMBAY | 63103 |
| E010 | JEEVAN | 7000 | d10 | 1498 | 20-JAN-02 | STAFF | cfd house | DELHI | 67865 |
| E003 | GLADWIN | 23000 | d01 |  | 12-DEC-00 | CODER | XYM house | MADRAS | 63123 |
| E005 | ARJUN | 7000 | d11 | 45 | 21-MAR-03 | STAFF | cjd house | DELHI | 67865 |
| E013 | SIBI | 23000 | d12 | 6 | 13-NOV-10 | HR MANAGER | XGM house | BOMBAY | 63223 |
| E006 | ARUN | 18000 | d02 | 43 | 21-JUN-05 | CLERK | fcd house | DELHI | 67865 |
| E009 | BABU | 8000 | d30 |  | 20-NOV-10 | STAFF | XGMD house | BOMBAY | 63223 |
| E011 | JINI | 30000 | d10 | 1498 | 19-APR-01 | SALES MANAGER | rr house | COCHIN | 609841 |
| E020 | REEMA | 40000 | d30 |  | 20-JAN-02 | HACKER | MFM house | DELHI | 67865 |
| E030 | KEVIN | 17000 | d10 | 1498 | 30-APR-01 | CLERK | MHM house | BOMBAY | 632841 |
| E040 | SACHIN | 16000 | d30 |  | 30-JUN-03 | CLERK | RRR house | DELHI | 678341 |

1. select ENAME from EMPLOYEE where DOJ>'1.JAN.1998' AND DNO='d10';

|  |
| --- |
| **ENAME** |
| RAJU |
| JEEVAN |
| JINI |

1. Select ENAME,DNO from EMPLOYEE where DNO !='d30';

|  |  |
| --- | --- |
| **ENAME** | **DNO** |
| RAJU | d10 |
| JEEVAN | d10 |
| GLADWIN | d01 |
| ARJUN | d11 |
| SIBI | d12 |
| ARUN | d02 |
| BABU | d13 |
| JINI | d10 |

1. select EMPLOYEE.ENAME from EMPLOYEE inner join DEPARTMENT on EMPLOYEE.DNO=DEPARTMENT.DNO AND DNAME='Sales';

|  |
| --- |
| **ENAME** |
| RAJU |
| JEEVAN |
| JINI |

1. SELECT ENAME from EMPLOYEE where MNRRNO is NULL;

|  |
| --- |
| **ENAME** |
| GLADWIN |
| BABU |
| REEMA |

1. Select ENAME From EMPLOYEE where ENAME like 'J\_N%';

|  |
| --- |
| **ENAME** |
| JINI |

1. select \* from EMPLOYEE WHERE DOJ between '1.JAN.2000' AND '31.DEC.2000';

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **ENO** | **ENAME** | **SALARY** | **DNO** | **MNRRNO** | **DOJ** | **JOB** | **ADDRESS** | **CITY** | **PINCODE** |
| E002 | RAJU | 10000 | d10 | 1498 | 12-SEP-00 | WORKER | XYC house | BOMBAY | 63103 |
| E003 | GLADWIN | 23000 | d01 |  | 12-DEC-00 | CODER | XYM house | MADRAS | 63123 |

1. select 'EVERY YEAR '||ENAME||' EARN' as employee,12\*(SALARY)as AnnualSalary FROM EMPLOYEE;

|  |  |
| --- | --- |
| **EMPLOYEE** | **ANNUALSALARY** |
| EVERY YEAR RAJU EARN | 120000 |
| EVERY YEAR JEEVAN EARN | 84000 |
| EVERY YEAR GLADWIN EARN | 276000 |
| EVERY YEAR ARJUN EARN | 84000 |
| EVERY YEAR SIBI EARN | 276000 |
| EVERY YEAR ARUN EARN | 216000 |
| EVERY YEAR BABU EARN | 96000 |
| EVERY YEAR JINI EARN | 360000 |
| EVERY YEAR REEMA EARN | 480000 |

1. Select count(ENO) AS NUMBER\_OF\_EMPLOYEE from EMPLOYEE;

|  |
| --- |
| **NUMBER\_OF\_EMPLOYEE** |
| 9 |

1. select min(SALARY) as MINIMUMSALARY,JOB from EMPLOYEE group by JOB;

|  |  |
| --- | --- |
| **MINIMUMSALARY** | **JOB** |
| 16000 | CLERK |
| 23000 | CODER |
| 40000 | HACKER |
| 23000 | HR MANAGER |
| 30000 | SALES MANAGER |
| 7000 | STAFF |
| 10000 | WORKER |

1. select min(SALARY) as MINIMUMSALARY ,DNO from EMPLOYEE where SALARY>7000 GROUP by DNO;

|  |  |
| --- | --- |
| **MINIMUMSALARY** | **DNO** |
| 23000 | d01 |
| 18000 | d02 |
| 10000 | d10 |
| 23000 | d12 |
| 8000 | d30 |

1. select min(EMPLOYEE.SALARY) as MINIMUMSALARY,DEPARTMENT.DNAME from

EMPLOYEE inner join DEPARTMENT ON EMPLOYEE.DNO=DEPARTMENT.DNO

where EMPLOYEE.JOB like '%MANAGER' GROUP by DEPARTMENT.DNAME;

|  |  |
| --- | --- |
| **MINIMUMSALARY** | **DNAME** |
| 23000 | HR |
| 30000 | Sales |

1. SELECT EMPLOYEE.ENAME,DEPARTMENT.DNAME FROM EMPLOYEE inner join DEPARTMENT on EMPLOYEE.DNO = DEPARTMENT.DNO AND EMPLOYEE.JOB='CLERK';

|  |  |
| --- | --- |
| **ENAME** | **DNAME** |
| ARUN | ACCOUNTS |
| KEVIN | Sales |
| SACHIN | SECURITY |

1. Select ENAME as ENAME,TO\_CHAR(DOJ,'DD/MM/YY') as DOJ from EMPLOYEE;

|  |  |
| --- | --- |
| **ENAME** | **DOJ** |
| RAJU | 12/09/00 |
| JEEVAN | 20/01/02 |
| GLADWIN | 12/12/00 |
| ARJUN | 21/03/03 |
| SIBI | 13/11/10 |
| ARUN | 21/06/05 |
| BABU | 20/11/10 |
| JINI | 19/04/01 |
| REEMA | 20/01/02 |
| KEVIN | 30/04/01 |
| SACHIN | 30/06/03 |