```sql
create table empr (
MATR   CHAR (6) not null,
NOME   VARCHAR(12) not null,
SOBRENOME VARCHAR(15) not null,
DEPT   CHAR(3) not null,
FONE   CHAR(14),
DINADIM  DATE,
CARGO  CHAR(10),
NIVELED  int,
SEXO   CHAR(1),
DATANAS  DATE,
SALARIO  decimal(9,2),
BONUS  decimal (9,2),
COMIS  decimal (9,2));


alter table empr add primary key (matr);


create table dept (
 DCODIGO  CHAR  (3)  not null,
 DNOME  VARCHAR (36) not null,
 GERENTE  CHAR  (6),
 DSUPER  CHAR  (3));


alter table dept add primary key (dcodigo);


create table projeto (
PCODIGO  CHAR  (6) not null,
PNOME  VARCHAR (24) not null,
DCODIGO  CHAR  (3) not null,
RESP    CHAR  (6) not null,
EQUIPE  int,
DATAINI  DATE,
DATAFIM  DATE,
PSUPER  CHAR  (6));


alter table projeto add primary key (pcodigo);


INSERT INTO EMPR VALUES
('000010','CHRISTINE','HAAS','A00','1020',TO_DATE('1/1/1965','DD/MM/YY'),'GERENTE',
'19','F',TO_DATE('14/8/1933','DD/MM/YY'),52750,1055,5275);
```

```
INSERT INTO EMPR VALUES
('000020','MICHAEL','THOMPSON','B01','3094',TO_DATE('10/10/1973','DD/MM/YY'),'GERENTE','18','M',TO_DATE('2/2/1948','DD/MM/YY'),41250,825,4125);
INSERT INTO EMPR VALUES
('000030','SALLY','KWAN','C01','3300',TO_DATE('5/4/1975','DD/MM/YY'),'GERENTE','15','F',TO_DATE('11/5/1941','DD/MM/YY'),38250,765,3825);
INSERT INTO EMPR VALUES
('000050','JOHN','GEYER','E01','2122',TO_DATE('17/8/1949','DD/MM/YY'),'GERENTE','16','M',TO_DATE('15/9/2025','DD/MM/YY'),40175,803,4017);
INSERT INTO EMPR VALUES
('000060','IRVING','STERN','D11','6423',TO_DATE('14/9/1973','DD/MM/YY'),'GERENTE','14','M',TO_DATE('7/7/1945','DD/MM/YY'),32250,645,3225);
INSERT INTO EMPR VALUES
('000070','EVA','PULASKI','D21','7831',TO_DATE('30/9/1980','DD/MM/YY'),'GERENTE','14','F',TO_DATE('26/5/1953','DD/MM/YY'),36170,723,3617);
INSERT INTO EMPR VALUES
('000090','EILEEN','HENDERSON','E11','1212',TO_DATE('1/6/1973','DD/MM/YY'),'GERENTE','17','F',TO_DATE('14/1/1946','DD/MM/YY'),40300,806,4030);
INSERT INTO EMPR VALUES
('000100','THEODORE','SPENSER','E21','3497',TO_DATE('12/4/1989','DD/MM/YY'),'GERENTE','15','M',TO_DATE('25/11/1961','DD/MM/YY'),39000,780,3900);
INSERT INTO EMPR VALUES
('000110','VINCENZO','LUCCHESI','A00','8645',TO_DATE('16/5/1958','DD/MM/YY'),'REPVENDA','18','M',TO_DATE('5/11/2029','DD/MM/YY'),46500,930,4650);
INSERT INTO EMPR VALUES
('000130','DOLORES','QUINTANA','C01','8623',TO_DATE('10/10/1973','DD/MM/YY'),'REPVENDA','12','F',TO_DATE('25/5/1946','DD/MM/YY'),23300,466,2330);
INSERT INTO EMPR VALUES
('000140','HEATHER','NICHOLLS','C01','2299',TO_DATE('5/4/1975','DD/MM/YY'),'ANALISTA','14','M',TO_DATE('18/11/1947','DD/MM/YY'),35040,700,3504);
INSERT INTO EMPR VALUES
('000150','BRUCE','ADAMSON','D11','4510',TO_DATE('17/8/1949','DD/MM/YY'),'ANALISTA','15','M',TO_DATE('1/4/1922','DD/MM/YY'),38780,775,3878);
INSERT INTO EMPR VALUES
('000160','ELIZABETH','PIANKA','D11','3782',TO_DATE('2/4/1943','DD/MM/YY'),'ATENDTE','12','F',TO_DATE('15/11/1915','DD/MM/YY'),22384,447,2238);
INSERT INTO EMPR VALUES
('000170','MASATOSHI','YOSHIMURA','D11','2890',TO_DATE('3/4/1990','DD/MM/YY'),'ATENDTE','12','M',TO_DATE('16/11/1962','DD/MM/YY'),29403,588,2940);
INSERT INTO EMPR VALUES
('000180','MARYLIN','SCOUTTEN','D11','1682',TO_DATE('4/3/1976','DD/MM/YY'),'PRJTISTA','11','F',TO_DATE('17/10/1948','DD/MM/YY'),19330,386,1933);
INSERT INTO EMPR VALUES
('000190','JAMES','WALKER','D11','2986',TO_DATE('4/3/1979','DD/MM/YY'),'ANALISTA','15','M',TO_DATE('17/10/1951','DD/MM/YY'),38990,779,3899);
INSERT INTO EMPR VALUES
('000200','DAVID','BROWN','D11','4501',TO_DATE('3/12/1950','DD/MM/YY'),'PRJTISTA','17','M',TO_DATE('18/7/1923','DD/MM/YY'),40505,810,4050);
```

```sql
INSERT INTO EMPR VALUES
('000210','WILLIAM','JONES','D11','0942',TO_DATE('11/4/1979','DD/MM/YY'),'ATENDTE','11','M',TO_DATE('23/2/1953','DD/MM/YY'),18270,365,1827);
INSERT INTO EMPR VALUES
('000220','JENIFER','LUTZ','D11','672',TO_DATE('10/12/1976','DD/MM/YY'),'PRJTISTA','11','F',TO_DATE('25/7/1949','DD/MM/YY'),19405,388,1940);
INSERT INTO EMPR VALUES
('000230','JAMES','JEFFERSON','D21','2094',TO_DATE('10/11/1987','DD/MM/YY'),'PRJTISTA','11','M',TO_DATE('24/6/1960','DD/MM/YY'),19333,386,1933);
INSERT INTO EMPR VALUES
('000240','SALVATORE','MARINO','D21','3780',TO_DATE('3/1/1990','DD/MM/YY'),'ATENDTE','12','M',TO_DATE('18/8/1962','DD/MM/YY'),20930,418,2093);
INSERT INTO EMPR VALUES
('000250','DANIEL','SMITH','D21','0961',TO_DATE('30/10/1969','DD/MM/YY'),'REPCAMPO','11','M',TO_DATE('12/11/1939','DD/MM/YY'),19180,383,1918);
INSERT INTO EMPR VALUES
('000260','SYBIL','JOHNSON','D21','8953',TO_DATE('11/9/1975','DD/MM/YY'),'REPCAMPO','10','M',TO_DATE('5/10/1936','DD/MM/YY'),17250,345,1725);
INSERT INTO EMPR VALUES
('000270','MARIA','PEREZ','D21','9001',TO_DATE('9/8/1976','DD/MM/YY'),'ATENDTE','9','F',TO_DATE('24/3/1949','DD/MM/YY'),13403,268,1340);
INSERT INTO EMPR VALUES
('000280','ETHEL','SCHNEIDER','E11','8997',TO_DATE('14/3/1976','DD/MM/YY'),'PRJTISTA','13','F',TO_DATE('27/10/1948','DD/MM/YY'),30400,608,3040);
INSERT INTO EMPR VALUES
('000290','JOHN','PARKER','E11','4543',TO_DATE('30/5/1980','DD/MM/YY'),'ATENDTE','10','M',TO_DATE('9/7/1946','DD/MM/YY'),15340,306,1534);
INSERT INTO EMPR VALUES
('000300','PHILIP','SMITH','E11','3232',TO_DATE('19/6/1972','DD/MM/YY'),'ATENDTE','10','M',TO_DATE('27/10/1936','DD/MM/YY'),17750,355,1775);
INSERT INTO EMPR VALUES
('000310','MAUDE','SETRIGHT','E11','8932',TO_DATE('12/9/1964','DD/MM/YY'),'REPCAMPO','10','F',TO_DATE('21/4/1931','DD/MM/YY'),15900,318,1590);
INSERT INTO EMPR VALUES
('000320','RAMLAL','MEHTA','E21','9990',TO_DATE('7/7/1965','DD/MM/YY'),'PRJTISTA','11','M',TO_DATE('11/8/1932','DD/MM/YY'),19950,399,1995);
INSERT INTO EMPR VALUES
('000330','WING','LEE','E21','2103',TO_DATE('18/1/1975','DD/MM/YY'),'REPCAMPO','9','M',TO_DATE('2/9/1947','DD/MM/YY'),10304,206,1030);
INSERT INTO EMPR VALUES
('000340','JASON','GOUNOT','E21','5698',TO_DATE('18/4/1987','DD/MM/YY'),'REPCAMPO','17','M',TO_DATE('1/12/1959','DD/MM/YY'),40330,806,4033);


INSERT INTO DEPT VALUES ('A00','DIV. SERVIÇOS DE COMPUTADOR','000010','A00');
INSERT INTO DEPT VALUES ('B01','PLANEJAMENTO','000020','A00');
INSERT INTO DEPT VALUES ('C01','CENTRO DE INFORMAÇÕES','000030','A00');
```

```sql
        INSERT INTO DEPT VALUES ('D01','CENTRO DE
DESENVOLVIMENTO',NULL,'A00');
        INSERT INTO DEPT VALUES ('E01','SERVIÇOS DE SUPORTE','000050','A00');
        INSERT INTO DEPT VALUES ('D11','SISTEMAS MANUFATURA','000060','D01');
        INSERT INTO DEPT VALUES ('D21','SISTEMA ADMINISTRAÇÃO','000070','D01');
        INSERT INTO DEPT VALUES ('E11','OPERAÇÃO','000090','E01');
        INSERT INTO DEPT VALUES ('E21','SUPORTE SOFTWARE','000100','E01');


INSERT INTO projeto VALUES
('000001','Projeto1','A00','000010',2,TO_DATE('10/10/2000','DD/MM/YY'),TO_DATE('30/12/2
001','DD/MM/YY'),null);
        INSERT INTO projeto VALUES
('000002','Projeto2','A00','000010',3,TO_DATE('11/10/2000','DD/MM/YY'),TO_DATE('31/12/2
001','DD/MM/YY'),null);
        INSERT INTO projeto VALUES
('000003','Projeto3','A00','000010',4,TO_DATE('12/10/2000','DD/MM/YY'),TO_DATE('1/1/200
2','DD/MM/YY'),null);
        INSERT INTO projeto VALUES
('000004','Projeto4','B01','000020',3,TO_DATE('13/10/2000','DD/MM/YY'),TO_DATE('2/1/200
2','DD/MM/YY'),null);
        INSERT INTO projeto VALUES
('000005','Projeto5','B01','000020',2,TO_DATE('14/10/2000','DD/MM/YY'),TO_DATE('3/1/200
2','DD/MM/YY'),null);
        INSERT INTO projeto VALUES
('000006','Projeto6','C01','000030',2,TO_DATE('15/10/2000','DD/MM/YY'),TO_DATE('4/1/200
2','DD/MM/YY'),null);
        INSERT INTO projeto VALUES
('000007','Projeto7','D21','000070',2,TO_DATE('16/10/2000','DD/MM/YY'),TO_DATE('5/1/200
2','DD/MM/YY'),null);
        INSERT INTO projeto VALUES
('000008','Projeto8','E01','000090',3,TO_DATE('17/10/2000','DD/MM/YY'),TO_DATE('6/1/200
2','DD/MM/YY'),null);
        INSERT INTO projeto VALUES
('000009','Projeto9','D11','000060',6,TO_DATE('18/10/2000','DD/MM/YY'),TO_DATE('7/1/200
2','DD/MM/YY'),null);
        INSERT INTO projeto VALUES
('000010','Projeto10','D11','000060',5,TO_DATE('19/10/2000','DD/MM/YY'),TO_DATE('8/1/20
02','DD/MM/YY'),'000009');
        INSERT INTO projeto VALUES
('000011','Projeto11','D21','000070',7,TO_DATE('20/10/2000','DD/MM/YY'),TO_DATE('9/1/20
02','DD/MM/YY'),null);
        INSERT INTO projeto VALUES
('000012','Projeto12','E11','000090',4,TO_DATE('21/10/2000','DD/MM/YY'),TO_DATE('10/1/2
002','DD/MM/YY'),null);
        INSERT INTO projeto VALUES
('000013','Projeto13','E21','000100',3,TO_DATE('22/10/2000','DD/MM/YY'),TO_DATE('11/1/2
002','DD/MM/YY'),null);
```

```sql
        INSERT INTO projeto VALUES
('000014','Projeto14','A00','000010',2,TO_DATE('23/10/2000','DD/MM/YY'),TO_DATE('12/1/2
002','DD/MM/YY'),'000001');
        INSERT INTO projeto VALUES
('000015','Projeto15','A00','000010',7,TO_DATE('24/10/2000','DD/MM/YY'),TO_DATE('13/1/2
002','DD/MM/YY'),null);

    --1
    SELECT SOBRENOME, NOME, DEPT, DATANAS, DINADIM, SALARIO FROM EMPR
WHERE SALARIO > 30000;
    --2
    SELECT * FROM DEPT WHERE GERENTE IS NULL;
    --3
    SELECT SOBRENOME, NOME, DEPT, DATANAS, DINADIM, SALARIO FROM EMPR
WHERE SALARIO < 20000 ORDER BY SOBRENOME, NOME;
    --4
    SELECT * FROM DEPT WHERE DSUPER = 'A00';
    --5
    SELECT DCODIGO, DNOME FROM DEPT WHERE DNOME LIKE '%SERVIÇO%';
    --6
    SELECT MATR, SOBRENOME, DEPT, FONE FROM EMPR WHERE DEPT BETWEEN
'D11' AND 'D21';
    --7
    SELECT SOBRENOME, DEPT, (SALARIO + COMIS) AS RENDIMENTO FROM EMPR
WHERE DEPT = 'B01' OR DEPT = 'C01' OR DEPT =  'D01' ORDER BY DEPT,
RENDIMENTO DESC;
    --8
    SELECT SOBRENOME, SALARIO, DEPT FROM EMPR WHERE (SALARIO/12) > 3000
ORDER BY SOBRENOME;
    --9
    SELECT MATR, NOME, SOBRENOME FROM EMPR WHERE DEPT LIKE 'E%' ORDER
BY SOBRENOME;
    --10
    SELECT MATR, SOBRENOME, (SALARIO/12) AS SAL_MENSAL FROM EMPR WHERE
(SALARIO/12) < 1600 AND SEXO = 'M' ORDER BY SAL_MENSAL DESC;
    --11
    SELECT SOBRENOME, (100 * COMIS) / (SALARIO + COMIS + BONUS) FROM EMPR
WHERE CARGO = 'REPVENDA';
    --12
    SELECT * FROM DEPT WHERE DCODIGO = 'E01' OR DSUPER = 'E01';
    --13
    SELECT SOBRENOME, SALARIO, CARGO, NIVELED FROM EMPR WHERE SALARIO
> 40000 OR (CARGO = 'GERENTE' AND NIVELED <16);
```