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1. Create table employee with attributes empno,ename,dob,qual,jdate,exp,prev_org
2. Set primary key to empno.
3. Set not null for empno,ename,basl,total_sal
4. Set check constraint for experience greater than zero.
5. Set jdate as default as sysdate
6. Add Prev_org as not null after creating table.
7. DOB as not null after creating table.

```
SQL> create table employee1
```

```
2  (  
3  empno number(10),  
4  ename char(20),  
5  dob date,  
6  qual char(10),  
7  j_date date,  
8  exp number(10),  
9  pre_org char(50)  
10 );
```

Table created.

```
SQL> desc employee1
```

Name	Null?	Type
EMPNO		NUMBER(10)
ENAME		CHAR(20)
DOB		DATE
QUAL		CHAR(10)
J_DATE		DATE
EXP		NUMBER(10)
PRE_ORG		CHAR(50)

```
SQL> alter table employee1
```

```
2  add constraint empno primary key(empno);
```

Table altered.

```
SQL> alter table employee1
```

```
2  add b_sal number(20) not null;
```

Table altered.

```
SQL> alter table employee1
```

```
2  add total_sal number(30) not null;
```

Table altered.

```
SQL> alter table employee1
```

```
2  modify empno number not null;
```

Table altered.

```
SQL> alter table employee1
```

```
2  modify ename char not null;
```

Table altered.

```
SQL> alter table employee1
```

```
2  add constraint exp check(exp>0);
```

Table altered.

```
SQL> alter table employee1  
2 modify j_date date default sysdate;
```

Table altered.

```
SQL> alter table employee1  
2 modify pre_org char not null;
```

Table altered.

```
SQL> alter table employee1  
2 modify dob date not null;
```

Table altered.

- 1.Create table emp_sal with attributes empno,bsal,hra,ta,da,pf and total_sal.
- 2.Set not null for empno,ename,bsal,total_sal
- 3.Set foreign key key to empno attribute.
- 4.Insert three employee details to employee table and salary details
- 5.Update hra by 12%,ta 15%,da 13%,pf 12% and total_sal
- 6.Add constraint CHECK for bsal greater than zero after creating tabl

```
SQL> create table emp_sal1
2      (
3      empno number(10),
4      b_sal number(20),
5      hra number (20),
6      TA number (20),
7      da number(20),
8      pf number(20),
9      total_sal number(30)
10     );
```

Table created.

```
SQL> desc emp_sal1
```

Name	Null?	Type
EMPNO		NUMBER(10)
B_SAL		NUMBER(20)
HRA		NUMBER(20)
TA		NUMBER(20)
DA		NUMBER(20)
PF		NUMBER(20)
TOTAL_SAL		NUMBER(30)

```
SQL> alter table emp_sal1
```

```
2      modify empno number not null;
```

Table altered.

```
SQL> alter table emp_sal1
```

```
2      add ename char(20) not null;
```

Table altered.

```
SQL> alter table emp_sal1
```

```
2      modify b_sal number not null;
```

Table altered.

```
SQL> alter table emp_sal1
```

```
2      modify total_sal number not null;
```

Table altered.

```
SQL> alter table emp_sal1
```

```
2      add constraint empno_FK foreign key (empno) references employee1(empno);
```

Table altered.

```
SQL> INSERT INTO employee1 (empno,ename,dob,exp,pre_org,b_sal,total_sal)
```

```
2      values (1,'a','23-nov-2000',3,'a',12,200);
```

1 row created.

```
SQL> select * from employee1;
```

EMPNO	E	DOB	QUAL	J_DATE	EXP	P	B_SAL	TOTAL_SAL
1	a	23-NOV-00		13-OCT-21	3	a	12	200

```
SQL> INSERT INTO emp_sal1
  2     values (&empno,&b_sal,&Hra,&ta,&da,&pf, '&total_sal', '&ename');
Enter value for empno: 1
Enter value for b_sal: 500
Enter value for hra: 25
Enter value for ta: 25
Enter value for da: 30
Enter value for pf: 4
Enter value for total_sal: 584
Enter value for ename: d
old 2:      values (&empno,&b_sal,&Hra,&ta,&da,&pf, '&total_sal', '&ename')
new 2:      values (1,500,25,25,30,4, '584', 'd')
```

1 row created.

```
SQL> select * from emp_sal1;
```

	EMPNO	B_SAL	HRA	TA	DA	PF	TOTAL_SAL
ENAME							
d	1	500	25	25	30	4	584

```
SQL> update emp_sal1
```

```
  2 set hra=(hra+hra*12/100),ta=(ta+ta*15/100),da=(da+da*13/100),pf=(pf+pf*12/100),total_sal=hra+ta+da+pf+b_sal;
```

1 row updated.

```
SQL> select * from emp_sal1;
```

	EMPNO	B_SAL	HRA	TA	DA	PF	TOTAL_SAL
ENAME							
d	1	500	28	29	34	4	584

```
SQL> alter table emp_sal1
```

```
  2     add constraint b_sal check(b_sal>0);
```

Table altered.

```
SQL>
```