**ASSIGNMENT**

Question 7:

**TABLE CREATION:**

**EMP:**

SQL> create table EMP

(

eno number(3) Primary Key,

ename varchar2(50) ,

hire\_date date

);

Table created.

**PARTS:**

SQL> create table PARTS

(

pno number(3) Primary Key ,

pname varchar2(50) ,

qty\_in\_hand number(5) ,

price number(10,2) default 0.00

);

Table created.

**ORDERS:**

SQL>create table ORDERS

2 (

3 ono number(3) Primary Key ,

4 E# number(3) references EMP(eno) ,

5 P# number(3) references PARTS(pno) ,

6 shipped char(3) default 'NO' ,

7 received char(3) default 'NO'

8 ;

Table created.

**CUSTOMERS:**

SQL> create table CUSTOMER

2 (

3 cno number(3) Primary Key ,

4 cname varchar2(50) ,

5 phone number(10)

6 );

Table created.

**PROVIDES:**

SQL>create table PROVIDES

2 (

3 P# number(3) references PARTS(pno) ,

4 C# number(3) references CUSTOMER(cno)

5\* )

6 ;

Table created.

**DESCRIPTION:**

1. **EMPLOYEE**

SQL> desc emp;

|  |  |  |
| --- | --- | --- |
| **NAME** | **NULL?** | **TYPE** |
| ENO | NOT NULL | NUMBER(3) |
| ENAME |  | VARCHAR2(50) |
| HIRE\_DATE |  | DATE |

1. **ORDERS**

SQL> desc orders;

|  |  |  |
| --- | --- | --- |
| **NAME** | **NULL?** | **TYPE** |
| ONO | NOT NULL | NUMBER(3) |
| E# |  | NUMBER(3) |
| P# |  | NUMBER(3) |
| SHIPPED |  | CHAR(3) |
| RECEIVED |  | CHAR(3) |

1. **PARTS**

SQL> desc parts;

|  |  |  |
| --- | --- | --- |
| **NAME** | **NULL?** | **TYPE** |
| PNO | NOT NULL | NUMBER(3) |
| PNAME |  | VARCHAR2(50) |
| QTY\_IN\_HAND |  | NUMBER(5) |
| PRICE |  | NUMBER(10,2) |

1. **PROVIDES**

SQL> desc parts;

|  |  |  |
| --- | --- | --- |
| **NAME** | **NULL?** | **TYPE** |
| PNO | NOT NULL | NUMBER(3) |
| PNAME |  | VARCHAR2(50) |
| QTY\_IN\_HAND |  | NUMBER(5) |
| PRICE |  | NUMBER(10,2) |

1. **CUSTOMERS**

SQL> desc customer;

|  |  |  |
| --- | --- | --- |
| **NAME** | **NULL?** | **TYPE** |
| CNO | NOT NULL | NUMBER(3) |
| CNAME |  | VARCHAR2(50) |
| PHONE |  | NUMBER(10) |

**VALUE INSERTION:**

1. **EMPLOYEE:**

SQL> insert into emp values(501,'Jasmin','17-NOV-1990');

1 row created.

SQL> insert into emp values(510,'Jai','20-MAY-2000');

1 row created.

SQL> select \* from emp;

|  |  |  |
| --- | --- | --- |
| **ENO** | **ENAME** | **HIRE\_DATE** |
| 501 | Jasmin | 17-NOV-90 |
| 510 | Jai | 20-MAY-00 |

1. **ORDERS**

SQL> insert into orders values(101,501,111,'YES','NO');

1 row created.

SQL> insert into orders values(102,510,112,'NO','NO');

1 row created.

SQL> select \* from orders;

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **ONO** | **E#** | **P#** | **SHI** | **REC** |
| 101 | 501 | 111 | YES | NO |
| 102 | 510 | 112 | NO | NO |

1. **PARTS**

SQL> insert into parts values(111,'Bolts',5000,50.00);

1 row created.

SQL> insert into parts values(112,'Screws',2500,100.00);

1 row created.

SQL> select \* from parts;

|  |  |  |  |
| --- | --- | --- | --- |
| **PNO** | **PNAME** | **PRICE** | **QTY\_IN\_HAND** |
| 111 | Bolts | 50 | 5000 |
| 112 | Screws | 100 | 2500 |

1. **PROVIDES**

SQL>insert into provides values(111,1)

1 row created.

SQL> insert into provides values(111,2);

1 row created.

SQL> select \* from provides;

|  |  |
| --- | --- |
| **P#** | **C#** |
| 111 | 1 |
| 111 | 2 |

1. **CUSTOMERS**

SQL> insert into customer values(001,'Clark',9871273333);

1 row created.

SQL> insert into customer values(002,'Joey',9871272745);

1 row created.

SQL> select \* from customer;

|  |  |  |
| --- | --- | --- |
| **CNO** | **CNAME** | **PHONE** |
| 1 | Clark | 9871273333 |
| 2 | Joey | 9871272745 |