**1.Users Table**

**CREATE TABLE USERS**

**(**

**UserId INT PRIMARY KEY ,**

**UserRole VARCHAR2(255) NOT NULL,**

**FullName VARCHAR2(255) NOT NULL,**

**email VARCHAR2(255) NOT NULL UNIQUE,**

**phone\_number VARCHAR2(20),**

**address VARCHAR2(255),**

**UserPassword VARCHAR2(255) NOT NULL**

**);**

**2.Products Table**

**CREATE TABLE PRODUCTS**

**(**

**PId INT PRIMARY KEY,**

**ProdName VARCHAR2(255) NOT NULL,**

**ProdType VARCHAR2(255) NOT NULL,**

**description VARCHAR2(2000) NOT NULL,**

**image\_url VARCHAR2(255),**

**start\_price DECIMAL(10, 2) NOT NULL,**

**buyout\_price DECIMAL(10, 2),**

**start\_date DATE NOT NULL,**

**end\_date DATE NOT NULL,**

**SellerId INT NOT NULL,**

**FOREIGN KEY (SellerId) REFERENCES USERS(UserId) on delete cascade**

**);**

**3.Bids Table**

**CREATE TABLE BIDS**

**(**

**BId INT PRIMARY KEY,**

**PId INT NOT NULL,**

**BidderId INT NOT NULL,**

**bid\_amount DECIMAL(10, 2) NOT NULL,**

**FOREIGN KEY (PId) REFERENCES PRODUCTS(PId) on delete cascade,**

**FOREIGN KEY (BidderId) REFERENCES USERS(UserId) on delete cascade**

**);**

**4. GetOffers procedure**

**create or replace procedure GetOffers (PCount out number)**

**as**

**begin**

**select count (Pid)**

**into PCount**

**from products;**

**end;**

**5. GetSellers procedure**

**create or replace procedure GetSellers (SCount out number)**

**as**

**begin**

**select count(Userid)**

**into SCount**

**from Users;**

**end;**

**6. Get\_Products procedure**

**CREATE OR REPLACE PROCEDURE GET\_PRODUCTS**

**)Product\_Name in varchar2,product\_cursor OUT SYS\_REFCURSOR)**

**AS**

**BEGIN**

**OPEN product\_cursor FOR**

**select prodtype, description, image\_url, start\_price, start\_date, end\_date from products WHERE prodname=Product\_Name;**

**7. Get\_Products\_name procedure**

**CREATE OR REPLACE PROCEDURE GET\_PRODUCTS\_NAME**

**(product\_cur OUT SYS\_REFCURSOR)**

**AS**

**BEGIN**

**OPEN product\_cur FOR**

**select prodname from products;**

**END;**

**8. Sequence Users**

**create sequence id\_seq**

**start with 1**

**increment by 1**

**maxvalue 2000;**

**9. Sequence Products**

**create sequence Pid\_seq**

**start with 1**

**increment by 1**

**maxvalue 2000;**