**Task: 1**

**Arrange the table and data according to field items in order form, then Create table EMPLOYEE with the following attributes and then insert the following data in to EMPLOYEE table.**

**NAME** **MINIT** **LNAME** **SSN** **BDATE** **ADDRESS**

**SEX SAL** **SUPERSSN** **DNO**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **John** |  | **B** | **Smith 123456789** | | | **09-JAN-1965** | **731 Fondren, Houston, TX** |
| **M** | **30000** | **333445555** | |  | **5** |  |  |
| **Franklin** | | **T** | **Wong 333445555** | |  | **08-DEC-1955** | **638 Voss, Houston, TX** |
| **M** | **40000** | **888665555** | | **5** |  |  |  |
| **Alicia** | **J** |  | **Zelaya 999887777** | |  | **19-JUL-1968** | **3321, Castle, Spring, TX** |
| **F** | **25000** | **987654321** | | **4** |  |  |  |
| **Jennifer** | | **S Wallace 987654321** | | |  | **20-JUN-1941** | **291, Berry, Bellaire, TX** |
| **F** | **43000** | **888665555** | | **4** |  |  |  |
| **Ramesh** | **K** | **Narayan 666884444** | | |  | **15-SEP-1962** | **975 Fire Oak, Humble, TX** |
| **M** | **38000** |  | **333445555** | | **5** |  |  |
| **Joyce** | **A** | **English 453453453** | | |  | **31-JUL-1972** | **5631 Rice, Houston, TX** |
| **F** | **25000** | **333445555** | | **5** |  |  |  |
| **Ahmad** | **V** | **Jabbar** | | **987987987** |  | **29-MAR-1969** | **980 Dallas, Houston, TX** |
| **M** | **25000** | **987654321** | | | **4** |  |  |
| **James** | **E** |  | **Borg** | **888665555** | | **10-NOV-37** | **450 Stone, Houston, Tx** |
| **M** | **55000** |  |  |  | **1** |  |  |

**ANS:-** **create table employee(NAME varchar2(25), MINIT varchar2(4), LNAME varchar2(25), SSN NUMBER(11),**

**BDATE DATE,ADDRESS varchar2(25), SEX VARCHAR2(1),SAL NUMBER(7),SUPERSSN varchar2(25),DNO NUMBER(2));**

**desc employee;**

**insert into employee(name,minit,lname,ssn,bdate,address,sex,sal,superssn,dno)**

**values('John','B','Smith',123456789,'09-JAN-1965','731 Fondren,Houston,TX','M',30000,'333445555',5);**

**values('Franklin','T','Wong',333445555,'08-DEC-1955','638 Voss,Houston,TX,'M',40000,'888665555',5);**

**values('Alicia','J','Zelaya',999887777,'19-JUL-1968','3321 Castle,Spring,TX','F',25000,'987654321',4);**

**values('Jennifer','S','Wallance',987654321,'20-JUN-1941','291 Berry,Bellaire,TX','F',43000,'888665555',4);**

**values('Ramesh','K','Narayan',666884444,'15-SEP-1962','975 Fire,Oak,Humble,TX','M',38000,'333445555',5);**

**values('Joyce','A','English',453453453,'31-JUL-1972','56331 Rice,Houston,TX','F',25000,'333445555',5);**

**values('Ahmad','V','Jabber',987987987,'29-MAR-1969','980 Dallas,Houston,TX','M',25000,'987654321',5);**

**values('James','E','Bong',888665555,'10-NOV-37','450 Stone,Houston,Tx','M',550000,'344335555',1);**

**select \* from employee;**

**TASK2: Create table DEPARTMENT with the following attributes and then insert the following data into DEPARTMENT table.**

**DNAME** **DNUMBER** **MGRSSN** **MGRSTARTDATE**

**------------------------------------------------------------------------------------------------**

|  |  |  |  |
| --- | --- | --- | --- |
| **Research** | **5** | **333445555** | **22-MAY-1988** |
| **Administration** | **4** | **987654321** | **01-JAN-1995** |
| **Headquarters** | **1** | **888665555** | **19-JUN-1981** |
|  |  |  |  |

**ANS:-** **create table Department (DNAME VARCHAR2(25),DNUMBER NUMBER(1),MGRSSN NUMBER(11) , MGRSTARTDATE DATE);**

**desc Department ;**

**INSERT INTO DEPARTMENT(DNAME,DNUMBER,MGRSSN,MGRSTARTDATE)**

**VALUES('Research',5,333445555,'22-MAY-1988');**

**VALUES('Administratain',4,987654321,'01-JAN-1995');**

**VALUES('Headquarters',1,888665555,'19-JUN-1981');**

**select \*from department;**

**TASK3:- Create table DEPT\_LOCATIONS with the following attributes and insert the following**

Data into DEPT\_LOCATIONS table.

**DNUMBER DLOCATION**

**---------------------------------------------**

**1Houston**

**4Stafford**

**5Bellaire**

**5Sugarland**

**5Houston**

**ANS:-create table DEPT\_LOCATIONS (DNUMBER number(7),DLOCATIONS varchar2(25));**

**desc dept\_locations;**

**INSERT INTO DEPT\_LOCATIONS(DNUMBER,DLOCATIONS)**

**VALUES(1,'Houston');**

**VALUES(4,'Stafford');**

**VALUES(5,'Bellarie');**

**VALUES(5,'Sugarland');**

**VALUES(5,'Houston');**

**select \* from dept\_locations;**

**TASK4**:-.**Create table PROJECT with the following attributes and insert the following data into PROJECT table.**

**PNAME** **PNUMBER PLOCATION** **DNUM**

**------------------------------------------------------------------------------**

|  |  |  |  |
| --- | --- | --- | --- |
| **ProductX** | **1** | **Bellaire** | **5** |
| **ProductY** | **2** | **Sugarland** | **5** |
| **ProductZ** | **3** | **Houston** | **5** |
| **Computerization** | **10** | **Stafford** | **4** |
| **Reorganization** | **20** | **Houston** | **1** |
| **Newbenefits** | **30** | **Stafford** | **4** |

**Ans:** **create table PROJECT (PNAME VARCHAR2(25),PNUMBER number(7),PLOCATION varchar2(25),DNUM number(7));**

**desc project;**

**INSERT INTO PROJECT(PNAME,PNUMBER,PLOCATION,DNUM)**

**VALUES('ProductX',1,'Bellaire',5);**

**VALUES('ProductY',2,'Sugarland',5);**

**VALUES('ProductZ',3,'Houston',5);**

**VALUES('Computerization',10,'Stafford',4);**

**VALUES('Reorganization',20,'Houston',1);**

**VALUES('Newbenefits',30,'Stafford',4);**

**select \* from PROJECT;**

**Create table DEPENDENT with the following attributes and insert the following data into DEPENDENT table.**

**ESSN** **DEPENDENT\_NAME** **SEX BDATE RELATIONSHIP**

**--------------------------------------------------------------------------------------------**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **333445555** | **Alice** | **F** | **05-APR-86** | **DUAGHTER** |
| **333445555** | **Theodore** | **M** | **25-OCT-83** | **SON** |
| **333445555** | **Joy** | **F** | **03-MAY-58** | **SPOUSE** |
| **987654321** | **Abner** | **M** | **28-FEB-42** | **SPOUSE** |
| **123456789** | **Michael** | **M** | **04-JAN-88** | **SON** |
| **123456789** | **Alice** | **F** | **30-DEC-88** | **DAUGHTER** |
| **123456789** | **Elizabeth** | **F** | **05-MAY-67** | **SPOUSE** |

**Ans: create table DEPENDENET (ESSN NUMBER(11),DEPENDENT\_NAME VARCHAR2(25),SEX VARCHAR2(25) , BDATE DATE, RELATIONSHIP VARCHAR2(25));**

**desc DEPENDENET;**

**insert into DEPENDENET(ESSN ,DEPENDENT\_NAME ,SEX , BDATE ,RELATIONSHIP)**

**values(333445555,'Alice','F','05-APR-86','DAUGHTER');**

**values(333445555,'Theodore','M','25-OCT-83','SON');**

**values(333445555,'Joy','F','03-MAY-58','SPOUSE');**

**values(987654321,'Abner','M','28-FEB-42','SPOUSE');**

**values(123456789,'Michael','M','04-JAN-88','SON');**

**values(123456789,'Alice','F','30-DEC-88','DAUGHTER');**

**values(123456789,'Elizabeth','F','05-MAY-67','SPOUSE');**

**select\* from DEPENDENET;**

**TASK5:-Create table WORKS\_ON with the following attributes and then insert the following data into WORKS\_ON table**.

**ESSN** **PNO** **HOURS**

**------------------------------------------------**

|  |  |  |
| --- | --- | --- |
| **123456789** | **1** | **32.5** |
| **123456789** | **2** | **7.5** |
| **666884444** | **3** | **40** |
| **453453453** | **1** | **20** |
| **453453453** | **2** | **20** |
| **333445555** | **2** | **10** |
| **333445555** | **3** | **10** |
| **333445555** | **10** | **10** |
| **333445555** | **20** | **10** |
| **999887777** | **30** | **30** |
| **999887777** | **10** | **10** |
| **987987987** | **10** | **35** |
| **987987987** | **30** | **5** |
| **987654321** | **30** | **20** |
| **987654321** | **20** | **15** |
| **888665555** | **20** |  |

ANS:- **create table WORK\_ON (ESSN NUMBER(11), PNO NUMBER(11),HOURS NUMBER(7,2));**

**desc work\_on;**

**insert into WORK\_ON (ESSN , PNO ,HOURS)**

**values(123456789,1,32.5);**

**values(123456789,2,7.5);**

**values(6666884444,3,40);**

**values(453453453,1,20);**

**values(453453453,2,20);**

**values(333445555,2,10);**

**values(333445555,3,10);**

**values(333445555,10,10);**

**values(333445555,20,10);**

**values(999887777,30,30);**

**values(999887777,10,10);**

**values(987987987,10,35);**

**values(987987987,30,5);**

**values(987654321,30,20);**

**values(987654321,20,15);**

**values(888665555,20, null);**

**select\* from work\_on;**