**NAVTTC& IMCS, University Of Sindh Jamshoro**

**Oracle Lab Task (Workshop)**

**Dated: 17-12-2020**

**Date of Submission: 17-12-2020**

**Total Hours: 4:00 Including Break**

**1: Create a table named BRANCH with following Structure**

|  |  |  |  |
| --- | --- | --- | --- |
| **Data** | **Field Name** | **Type** | **Constraint** |
| Branch Number | branchno | number(1) | Primary Key |
| Branch | branchname | varchar2(30) | Not Null |

* Add the column ’emailid’ to table BRANCH with Constraint UNIQUE.
* Modify the column named ’branch name’ to Varchar2(25)
* Rename the table name to ’Branch Info’
* Delete the column named ’emailid’

2: **Create a table named STUDENT with following Structure**

|  |  |  |  |
| --- | --- | --- | --- |
| **Data** | **Field Name** | **Type** | **Constraint** |
| Student Name | name | varchar2(30) | Not Null |
| Student Number | registerno | number(11) | Primary Key |
| Branch Number | branchno | number(1) | Foreign Key |
| Section | sec | varchar2(1) | Not Null |
| Joined Date | joindate | date | Not Null |
| Mark | mark | number(5,2) | Not Null |

* Add the column ’emailid’ to table STUDENT with Constraint UNIQUE.
* Modify the column named ’student name’ to Varchar2(25)
* Rename the table name to ’Branch student data’
* Delete the column named ’emailid’

3: **Create a table named MARKGRADE with following Structure**

|  |  |  |  |
| --- | --- | --- | --- |
| **Data** | **Field Name** | **Type** | **Constraint** |
| Grade | grade | varchar2(1) | Not Null |
| Lowest Mark | lowmark | number(5,2) | Not Null |
| Highest Mark | highmark | number(5,2) | Not Null |

* Add the column ’student name’ to table STUDENT with Constraint varchar2(30).
* Modify the column named ’student name’ to Varchar2(25)
* Rename the table name to ’students marks grade’

**4: Create a table named PROJECT with following Structure**

|  |  |  |  |
| --- | --- | --- | --- |
| **Data** | **Field Name** | **Type** | **Constraint** |
| Project Number | pno | number(3) | Primary Key |
| Project Name | pname | varchar2(60) |  |
| Project Manager | pmgr | number(4) | Not Null |
| Persons | persons | number(3) |  |
| Budjet | budjet | number(8,2) |  |
| Project Start date | pstart | date | Not Null |
| Project End Date | pend | date |  |

**5: Insert following Values into the Table Branch.**

#### BRANCHNO BRANCHNAME

1. Civil
2. Computer Science
3. Electrical
4. Electronics
5. Information Technology
6. Instrumentation
7. Mechanical
8. MBA
9. MCA

6**: Insert following Values into the Table Student.**

**7: Display the contents of Student Table.**

**8: Display the contents of Branch Table.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **NAME** | **REGISTERNO** | **BRANCHNO** | **SECTION** | **JOINDATE** | **MARK** |
| ADITYA KUMAR | 11305104001 | 2 | A | 24-JUL-2005 | 99 |
| NANDA KUMARAN | 11305104061 | 2 | B | 30-MAY-2005 | 80 |
| AASHA RANI | 11308104001 | 2 | A | 02-AUG-2008 | 99 |
| MANDYAM HARIKA | 11308106061 | 4 | B | 04-AUG-2008 | 75 |
| ABDUL SAMAD | 11308205001 | 5 | A | 02-AUG-2008 | 100 |
| PRIYA DHARSHINI | 11308205062 | 5 | B | 18-SEP-2008 | 90 |
| AISHWARYA | 11308103001 | 1 | A | 09-AUG-2008 | 78 |
| RAMMANOHAR | 11308103030 | 1 | A | 01-AUG-2008 | 65 |
| AHAMED THAHA | 11308114001 | 7 | A | 25-JUL-2008 | 90 |
| PRAVEEN | 11308114025 | 7 | A | 28-JUL-2008 | 75 |
| ABINAYA | 11308105001 | 3 | A | 01-AUG-2008 | 90 |
| ANISH KUMAR | 11308107001 | 6 | A | 26-JUL-2008 | 90 |
| KANIMOZHI | 11308107027 | 6 | A | 06-AUG-2008 | 80 |
| MADHU USOODHANA | 11308105023 | 3 | A | 28-JUL-2008 | 90 |

**9: Create and insert values in Table named EMP**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **empno** | **ename** | **job** | **mgr** | **hiredate** | **sal** | **comm** | **deptno** |
| 7369 | SMITH | CLERK | 7902 | 1993-06-13 | 800.00 | 0.00 | 20 |
| 7499 | ALLEN | SALESMAN | 7698 | 1998-08-15 | 1600.00 | 300.00 | 30 |
| 7521 | WARD | SALESMAN | 7698 | 1996-03-26 | 1250.00 | 500.00 | 30 |
| 7566 | JONES | MANAGER | 7839 | 1995-10-31 | 2975.00 |  | 20 |
| 7698 | BLAKE | MANAGER | 7839 | 1992-06-11 | 2850.00 |  | 30 |
| 7782 | CLARK | MANAGER | 7839 | 1993-05-14 | 2450.00 |  | 10 |
| 7788 | SCOTT | ANALYST | 7566 | 1996-03-05 | 3000.00 |  | 20 |
| 7839 | KING | PRESIDENT |  | 1990-06-09 | 5000.00 | 0.00 | 10 |
| 7844 | TURNER | SALESMAN | 7698 | 1995-06-04 | 1500.00 | 0.00 | 30 |
| 7876 | ADAMS | CLERK | 7788 | 1999-06-04 | 1100.00 |  | 20 |
| 7900 | JAMES | CLERK | 7698 | 2000-06-23 | 950.00 |  | 30 |
| 7934 | MILLER | CLERK | 7782 | 2000-01-21 | 1300.00 |  | 10 |
| 7902 | FORD | ANALYST | 7566 | 1997-12-05 | 3000.00 |  | 20 |
| 7654 | MARTIN | SALESMAN | 7698 | 1998-12-05 | 1250.00 | 1400.00 | 30 |

**10: Update the ’sal’ of ’Scott’ to 1500.00.**

**11: Update the emp table to set the salary of all employees to Rs 15000.00 who are working as Clerk.**

**12: select employee name, job from the emp table.**

**13: Delete only those who are working as President.**

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*Best of Luck\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***