**SQL QUESTIONS**

**Q1: Consider the following tables DOCTOR and SALARY. Write SQL commands.**

**Table:Doctor**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **ID** | **NAME** | **DEPT** | **SEX** | **EXPERIENCE** |
| **101** | **John** | **ENT** | **M** | **12** |
| **104** | **Smith** | **ORTHPEDIC** | **M** | **5** |
| **107** | **George** | **CARDIOLOGY** | **M** | **10** |
| **114** | **Lara** | **SKIN** | **F** | **3** |
| **109** | **K George** | **MEDICINE** | **F** | **9** |
| **105** | **Johnson** | **ORTHPEDIC** | **M** | **10** |
| **117** | **Lucy** | **ENT** | **F** | **3** |
| **111** | **Bill** | **MEDICINE** | **F** | **12** |
| **130** | **Morphy** | **ORTHPEDIC** | **M** | **15** |

**TABLE : SALARY**

|  |  |  |  |
| --- | --- | --- | --- |
| **ID** | **BASIC** | **ALLOWANCE** | **CONSULTATION** |
| **101** | **12000** | **1000** | **300** |
| **104** | **23000** | **2300** | **500** |
| **107** | **32000** | **4000** | **500** |
| **114** | **12000** | **5200** | **100** |
| **109** | **42000** | **1700** | **200** |
| **105** | **18900** | **1690** | **300** |
| **130** | **21700** | **2600** | **300** |

1. **Display NAME of all doctors who are in “MEDICINE” having more than 10years of experience from the table DOCTOR.**
2. **Display the minimum ALLOWANCE of female doctors.**
3. **Display the highest consultation of among all male doctors.**
4. **Display the NAME & DEPT where SEX is Female.**
5. **To insert a row in Doctor table as ( 112, ‘Marry’,’ENT’,’M’, 15).**

**Q2: Consider the following tables ITEM and CUSTOMER and write SQL commands.**

**TABLE: ITEM**

|  |  |  |  |
| --- | --- | --- | --- |
| **I\_ID** | **ItemName** | **Manufacturer** | **Price** |
| PC05 | Personal Computer | ABC | 35000 |
| LC05 | Laptop | ABC | 55000 |
| PC03 | Personal Computer | XYZ | 32000 |
| PC06 | Personal Computer | COMP | 37000 |
| LC03 | Laptop | PQR | 57000 |

**TABLE:CUSTOMER**

|  |  |  |  |
| --- | --- | --- | --- |
| **C\_ID** | **CustomerName** | **City** | **I\_ID** |
| 01 | N Roy | Delhi | LC03 |
| 06 | H Singh | Mumbai | PC03 |
| 12 | R Pandey | Delhi | PC06 |
| 15 | C Sharma | Delhi | LC03 |
| 16 | K Aggarwal | Bangalore | PC01 |

1. **To display the detail of those Customers whose city is Delhi.**
2. **To display the CustomerName, City from table Customer &ItemName& Price from table Item, with their corresponding , matching I\_ID.**
3. **To increase the Price of all Items by 1000 in the table Item.**
4. **To display the number of cities from Customer Table.**
5. **To update customer table where city is Delhi to Faridabad.**

**Q3: Consider the following tables SENDER and RECEPIENTS and write SQL commands.**

**TABLE: SENDER**

|  |  |  |  |
| --- | --- | --- | --- |
| **SenderID** | **SenderName** | **SenderAddress** | **SenderCity** |
| ND01 | R Jain | 2, ABC Appts | New Delhi |
| MU02 | H Sinha | 12, Newtown | UK |
| MU15 | S Jha | 27/A, Park Street | UK |
| ND50 | T Prasad | 122-K, SDA | New Delhi |

**TABLE: RECIPIENT**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **RecID** | **SenderID** | **RecNAME** | **RecAddress** | **RecCity** |
| KO05 | ND01 | R Bajpayee | 5, Central Avenue | Kolkata |
| ND08 | MU02 | Prateek | Civil Lines | New Delhi |
| MU19 | ND01 | Rajan Arora | Parliament | UK |
| MU32 | MU15 | Akash | Secretariat | UK |
| ND48 | ND50 | Nikhil | PM House | New Delhi |

1. **To display the RecID, SenderName, SenderAddress, RecName, RecAddress for every Recipient**
2. **To display the Recipient details in ascending order of RecName.**
3. **To display number of Recipients from each city**
4. **Display SenderName&RecName where SenderID is Same &RecCity is New Delhi.**
5. **To display SenderName, SenderAddress from Sender table whose SenderID is ‘ND01’.**

**Q4: Consider the following tables WORKER and PAYLEVEL And write SQL commands.**

**TABLE : WORKER**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **ECODE** | **NAME** | **DESIGN** | **PLEVEL** | **DOJ** | **DOB** |
| 11 | RadheShyam | Supervisor | P001 | 13-Sept-2004 | 23-Aug-1981 |
| 12 | ChanderNath | Operator | P003 | 22-Feb-2010 | 12-Jul-1987 |
| 13 | Fizza | Operator | P003 | 4-June-2009 | 14-Oct-1983 |
| 15 | Ameen Ahmed | Mechanic | P002 | 21-Aug-2006 | 13-Mar-1984 |
| 18 | Sanya | Clerk | P002 | 19-Dec-2005 | 03-Jun-1983 |

**TABLE : PAYLEVEL**

|  |  |  |
| --- | --- | --- |
| **PLEVEL** | **PAY** | **ALLOWANCE** |
| P001 | 26000 | 12000 |
| P002 | 22000 | 10000 |
| P003 | 12000 | 6000 |

1. **To display the details of all WORKERS in descending order of DOB.**
2. **To display the NAME & DESIG of those WORKER, whose PLEVEL is either P001, or P002.**
3. **To add a new row with the following :**

**19, ‘Daya Kishore’, ‘Operator’, ‘P003’, ’19-Jun-2008’, ’11-Jul-1984’.**

1. **To display the Maximum & Minimum PAY.**
2. **To display the details of WORKER table where designation is Supervisor.**