**Amrita School of Engineering, Amritapuri Campus.**

**19CSE101: Computer Systems Essentials**

**LAB SHEET 4 -RDBMS**

1. Create the table ***VaccinationDetails*** with attributes VID, Parent\_Name, Child\_Name, C\_Age\_Months, Vacc\_Name, Amount, FirstORBooster.

**Hint: Refer the CSV file given and decide the data type required for each attribute.**

1. Import data to the table ***VaccinationDetails*** from the csv file given.
2. Retrieve the following information
   1. Name of the parent and age of the child (in months) from the relation.
   2. The maximum age of the child who received a first dose of Rotavirus 3.
   3. The total number of unique vaccine names available in the relation.
   4. The total amount of money spent on vaccine by the parent DAMODARAN P.
   5. The total number of booster dose vaccines given to Ajith A.
   6. The average amount of money received by the booster doses of Rotavirus 3.
   7. The total number of children received a vaccine above the age of 7 months.
   8. Display the names of different types of vaccines given to the children.
   9. Display the child’s name, age and the vaccine given to them in the ascending order of the age.
   10. Find the different types of vaccines given to the children of age 6 months.
   11. Display in increasing order, the different types of vaccines given to Ajith A son of Achuthan C V at his different age.
   12. Display the different types of vaccines and amount in decreasing order of their amount.
   13. Find the vaccines given to the child named Neethu D for the first time.
3. Insert the following tuples into the relation VaccinationDetails

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **VID** | **Parent\_Name** | **Child\_Name** | **C\_Age\_Months** | **Vacc\_Name** | **Amount** | **FirstORBooster** |
| 13 | Francis | Feby | 3 | Rotavirus 1 | 1000 | First |
| 14 | Damodaran P | Neethu D | 2 | OPV 1 | 500 |  |
| 15 | Francis | Freddy | 18 | DPT | 1500 | Booster |

1. Update the following data
   1. Modify the dosage of vaccine ‘Hib 1’ to Booster.
   2. Enter the details of Neethu D who took vaccine OPV 1 as the First dosage.
   3. Increase the amount of vaccine ‘Hib 1’ by 300.

1. Remove the following data
   1. Details of Ajith A son of Bhaskaran H.
   2. Details of children under age 5 months who took the vaccine Rotavirus 1 as First dosage.
   3. Remove all the details of children above age 10, who took the vaccine ‘DPT’ ad the first dosage.
2. Export the data in the relations ***VaccinationDetails*** to ***updatedvaccine.csv***