MUHAMMAD ANAS

(cs221004)

LAB # 04

```
create database lab_04_task;
  1 •
  2 •
         use lab_04_task;
  4 • ⊖ CREATE TABLE Employee (
              employeeID INT AUTO_INCREMENT PRIMARY KEY,
              firstName VARCHAR(20) NOT NULL,
  6
  7
              lastName VARCHAR(20) NOT NULL,
  8
              hiringDate DATE,
  9
              deptID INT,
 10
              jobID VARCHAR(15)
 11
 12
 13 • ○ CREATE TABLE Department (
              deptID INT AUTO_INCREMENT PRIMARY KEY,
              deptName VARCHAR(30) NOT NULL,
              locationID INT
 16
         );
 17
 18
 19 • ⊖ CREATE TABLE Job (
 20
              jobID VARCHAR(10) PRIMARY KEY,
              jobTitle VARCHAR(30) NOT NULL,
 21
              salary DECIMAL(8, 2)
 22
 23
         );
Action Output
       Time
                Action
                                                                                                      Message
      7 01:58:16 create database lab_04_task
                                                                                                      1 row(s) affected
   8 01:58:19 use lab_04_task
                                                                                                      0 row(s) affected
      9 01:58:30 CREATE TABLE Employee ( employeeID INT AUTO_INCREMENT PRIMARY KEY, firstName VARCHAR(2...
  10 01:58:51 CREATE TABLE Department ( deptID INT AUTO_INCREMENT PRIMARY KEY, deptName VARCHAR(30)... 0 row(s) affected
```

```
19 • ⊖ CREATE TABLE Job (
   20
                         jobID VARCHAR(10) PRIMARY KEY,
                         jobTitle VARCHAR(30) NOT NULL,
   21
                         salary DECIMAL(8, 2)
   23
   24
   25 • ○ CREATE TABLE Location (
                        locationID INT AUTO_INCREMENT PRIMARY KEY,
   27
                        city VARCHAR(20) NOT NULL DEFAULT 'Karachi',
                        country VARCHAR(20) NOT NULL DEFAULT 'Pakistan'
   28
   29
   31 • INSERT INTO Employee (firstName, lastName, hiringDate, deptID, jobID) VALUES
                ('Muhammad', 'Anas', '2024-01-25', 1, 'IT1004'),
   32
   33
                ('Ali', 'Bilal', '2023-02-22', 2, 'MAN1005'),
                ('Talha', 'Nizamani', '2024-04-15', NULL, 'IT1003'),
   35
                ('Faizan', 'Awan', '2023-08-05', 1, 'FIN1001');
   37 • INSERT INTO Department (deptName, locationID) VALUES
                ('Information Technology', 1),
   39
                ('Management', 2),
   40
                 ('Finance', NULL);
   41
<
Output ::
Action Output
    # Time
                           Action
11 01:59:37 CREATE TABLE Job ( jobID VARCHAR(10) PRIMARY KEY, jobTitle VARCHAR(30) NOT NULL, salary D... 0 row(s) affected
12 02:00:15 CREATE TABLE Location ( locationID INT AUTO_INCREMENT PRIMARY KEY, city VARCHAR(20) NOT ... 0 row(s) affected
        13 02:04:14 INSERT INTO Employee (firstName, lastName, hiringDate, deptID, jobID) VALUES ("Muhammad", 'Anas', '2024-0... Error Code: 1292. Incorrect date value: '2023-02-30' for column 'hiringDate, deptID, jobID) VALUES ("Muhammad", 'Anas', '2024-0... Error Code: 1292. Incorrect date value: '2023-02-30' for column 'hiringDate, deptID, jobID) VALUES ("Muhammad", 'Anas', '2024-0... Error Code: 1292. Incorrect date value: '2023-02-30' for column 'hiringDate, deptID, jobID) VALUES ("Muhammad", 'Anas', '2024-0... Error Code: 1292. Incorrect date value: '2023-02-30' for column 'hiringDate, deptID, jobID) VALUES ("Muhammad", 'Anas', '2024-0... Error Code: 1292. Incorrect date value: '2023-02-30' for column 'hiringDate, deptID, jobID) VALUES ("Muhammad", 'Anas', '2024-0... Error Code: 1292. Incorrect date value: '2023-02-30' for column 'hiringDate, deptID, jobID) VALUES ("Muhammad", 'Anas', '2024-0... Error Code: 1292. Incorrect date value: '2023-02-30' for column 'hiringDate, deptID, 'anabata 'hiringDate, 'hiringDate, 'hiringDate, 'hiringDate, 'hi
2 14 02:04:37 INSERT INTO Employee firstName, lastName, hiringDate, deptID, jobID) VALUES (Muhammad', 'Anas', '2024-0... 4 row(s) affected Records: 4 Duplicates: 0 Warnings: 0
                 ( Latrau ' Wau ' 5053-60-63 ' T' LTM166T ')
  36
  37 • INSERT INTO Department (deptName, locationID) VALUES
                ('Information Technology', 1),
   38
                ('Management', 2),
   39
   40
                ('Finance', NULL);
   42 • INSERT INTO Job (jobID, jobTitle, salary) VALUES
   43
               ('IT1004', 'Developer', 90000.00),
   44
               ('MAN1005', 'Manager', 80000.00),
   45
                ('FIN1001', 'Finance', 70000.00);
   46
   47 • SELECT * FROM employee;
<
                                                                              | Edit: 🕍 🖶 | Export/Import: 🏣 👸 | Wrap Cell Content: 🏗
 lastName hiringDate deptID jobID
      employeeID firstName
                           Muhammad
                                               Anas
                                                                2024-01-25
                                                                                                  IT1004
                                              Bilal
                                                               2023-02-22
                                                                                                 MAN 1005
                                                                                  NULL
     7
                           Talha
                                                                                                 IT1003
                                              Nizamani
                                                               2024-04-15
                                                               2023-08-05 1
                          Faizan
                                              Awan
                                                                                                 FIN1001
                                              NULL
                                                                                   NULL
employee 1 ×
Output :
Action Output
14 02:04:37 INSERT INTO Employee (firstName, lastName, hiringDate, deptID, jobID) VALUES ("Muhammad", 'Anas', '2024-... 4 row(s) affected Records: 4 Duplicates: 0 Warnings: 0
15 02:06:38 INSERT INTO Job (jobID, jobTitle, salary) VALUES (IT1004', 'Developer', 90000.00), (MAN1005', 'Manager', 8... 3 row(s) affected Records: 3 Duplicates: 0 Warnings: 0

    16 02:09:30 SELECT * FROM lab_04_task.employee LIMIT 0, 1000

                                                                                                                                                                                    4 row(s) returned

    17 02:10:24 SELECT * FROM employee LIMIT 0, 1000

                                                                                                                                                                                    4 row(s) returned
```





