# **Introduction**

This document explains the workshop module for the topic, DDL and DML statements. It illustrates the examples of DDL and DML statements.

# **How is it Organized?**

This workshop contains the SQL statements for creating a User Access And a database and its associated tables related to HireMeNow Job Portal Application .

## DCL

Create a User to access or manipulate data.

**CREATE LOGIN test WITH PASSWORD = 'root';**

**CREATE USER test FOR LOGIN test;**

## DDL

Create a database for HireMeNow Job Portal Application .

**CREATE DATABASE HireMeNowDB;**

Use Database HireMeNow\_DB For Further operations

USE **HireMeNowDB**

### Companies

* Create a Table Called Companies to store information of all Companies with following columns:

| **Company** | | |
| --- | --- | --- |
| **Field Name** | **DataType** | **Constraints** |
| Id | UNIQUEIDENTIFIER | Primary Key,DEFAULT NEWID() |
| Name | Varchar(100) |  |
| Email | Varchar(50) | NOT NULL, UNIQUE, |
| Website | Varchar(30) |  |
| Phone | Varchar(50) |  |
| Logo | Varchar(100) |  |
| About | Varchar(100) |  |
| Vision | Varchar(100) |  |
| Mission | Varchar(100) |  |
| Location | Varchar(50) |  |
| Address | Varchar(50) |  |
| Status | Varchar(50) |  |

**CREATE TABLE Company (**

**Id UNIQUEIDENTIFIER DEFAULT NEWID() PRIMARY KEY,**

**[Name] [varchar](100) NULL,**

**[Email] [varchar](50) NOT NULL UNIQUE,**

**[Website] [varchar](50) NULL,**

**[Phone] [varchar](50) NULL,**

**[Logo] [varchar](50) NULL,**

**[About] [varchar](100) NULL,**

**[Vision] [varchar](100) NULL,**

**[Mission] [varchar](100) NULL,**

**[Place] [varchar](50) NULL,**

**[Address] [varchar](50) NULL,**

**[Status] [varchar](50) NULL,**

**)**

* Rename Table Company to Companies

**EXEC sp\_rename 'Company', 'Companies' ;**

* Change Type of About to Varchar(300) In Companies Table

**ALTER TABLE Companies ALTER COLUMN About varchar(300);**

* Change Column name of Place to Location

**EXEC sp\_rename 'Companies.Place', 'Location', 'COLUMN';**

### Users

* Create a Table Called Users to store information of all Users with following columns :

| **Users** | | |
| --- | --- | --- |
| **Field Name** | **DataType** | **Constraints** |
| Id | UNIQUEIDENTIFIER | Primary Key,DEFAULT NEWID() |
| FirstName | Varchar(50) |  |
| LastName | Varchar(50) |  |
| Email | Varchar(100) | NOT NULL, UNIQUE, |
| Gender | Varchar(30) |  |
| Location | Varchar(50) |  |
| Phone | Varchar(50) |  |
| Password | Varchar(50) |  |
| Role | Varchar(50) |  |
| About | Varchar(50) |  |
| Designation | Varchar(50) |  |
| CompanyId | UNIQUEIDENTIFIER | FOREIGN KEY |
| Status | Varchar(50) |  |
| Image | Varchar(100) |  |

**CREATE TABLE [dbo].[Users](**

**Id UNIQUEIDENTIFIER DEFAULT NEWID() PRIMARY KEY,**

**[FirstName] [varchar](50) NULL,**

**[LastName] [varchar](50) NULL,**

**[Email] [varchar](50) NOT NULL,**

**[Gender] [varchar](50) NULL,**

**[Location] [varchar](50) NULL,**

**[Phone] [varchar](50) NULL,**

**[Password] [varchar](50) NULL,**

**[Role] [varchar](50) NULL,**

**[About] [varchar](50) NULL,**

**[Designation] [varchar](50) NULL,**

**[CompanyId] [uniqueidentifier] NULL,**

**[Status] [varchar](50) NULL,**

**[Image] [varchar](50) NULL,**

**FOREIGN KEY (CompanyId) REFERENCES Companies (Id)**

**)**

* Add Unique Constraint to Email In Users table

ALTER TABLE Users ADD CONSTRAINT email\_unique UNIQUE (Email);

## DML

### Companies

* Add company to Companies Table

**INSERT INTO Companies**

**( Id,Name, Email, Website, Phone, Logo,About, Vision, Mission, Location, Address, Status)**

**VALUES**

**(‘ab5f391e-d83e-4eae-87cd-bca23175cf22’,'Aitrich Academy ', 'aitrich.academy@aitrich.com', 'https://aitrichacademy.com/', '0487012312', NULL,'About us ', ' Our Vision ', 'Our Mission', 'thrissur', '', 'A')**

* List all companies from Companies Table

select \* from companies

* Change Company Name to Aitrich Academy and change Address where email id is *aitrich.academy@aitrich.com*

**UPDATE Companies SET Name = 'Aitrich Academy' Address=’Aitrich Academy , Thrissur’ WHERE Email = 'aitrich.academy@aitrich.com';**

* Delete Company where email id is[*aitrich.academy@aitrich.com*](mailto:aitrich.academy@aitrich.com)

**DELETE FROM Companies WHERE email = '**[***aitrich.academy@aitrich.com***](mailto:aitrich.academy@aitrich.com)**';**

### Users

* Add Job Provider into table Users

**INSERT INTO users**

**(Id,FirstName, LastName, Email, Gender, Location, Phone, Password, Role, About,Designation, CompanyId, Status, Image)**

**VALUES**

**( ‘9b80c5d4-5de6-4f16-acd5-26f7d392b8b9’ , 'Soudha', 'AM', 'soudha.aitrich@gmail.com','Female', 'Thrissur', NULL, '123', 'Jobprovider', NULL, NULL, NULL, 'Active', NULL)**

**GO**

* Add Jobseekers into table Users

**INSERT INTO users**

**(Id,FirstName, LastName, Email, Gender, Location, Phone, Password, Role, About,Designation, CompanyId, Status, Image)**

**VALUES**

**(‘6fa50404-3754-4062-a4b0-ca333468e69a’, 'yadhu', 'krishna', 'yadhu.aitrich@gmail.com', NULL, 'Thrissur', NULL, '123', 'Jobseeker', NULL, NULL, NULL, 'Active', NULL)**

**GO**

* Add CompanyMember into table Users

**INSERT INTO users**

**(Id,FirstName, LastName, Email, Gender, Location, Phone, Password, Role, About,Designation, CompanyId, Status, Image)**

**VALUES**

**(‘08569e5d-b488-4c09-a7d1-e60fe4e5a512’, 'shini', 'parameswaran', 'shini.aitrich@gmail.com', NULL, 'Thrissur', NULL, '123', 'CompanyMember', NULL, NULL, 'ab5f391e-d83e-4eae-87cd-bca23175cf22', 'Active', NULL)**

**GO**

* Update Phone , Location, About Of a jobseeker with email id ‘[yadhu.aitrich@gmail.com](mailto:yadhu.aitrich@gmail.com)’

**UPDATE Users SET Phone = '8085499250', Location='Kochi',**

**About='Experienced .NET developer with 5+ years of experience in building Enterprise applications' WHERE email = 'yadhu.aitrich@gmail.com';**

* Update Jobprovider soudha ,Add CompanyId

**UPDATE Users SET CompanyId= 'ab5f391e-d83e-4eae-87cd-bca23175cf22', WHERE email = 'soudha.aitrich@gmail.com';**

* List all Jobseekers Details from Users Table

**Select \* from Users where Role=’Jobseeker’**

* Show All Details Of Jobseeker whose email is ‘[yadhu.aitrich@gmail.com](mailto:yadhu.aitrich@gmail.com)’

**Select \* from Users where Role=’Jobseeker’ and Email=’**[**yadhu.aitrich@gmail.com**](mailto:yadhu.aitrich@gmail.com)**’**

* Show all job providers FirstName,LastName,Email, Phone, Company Name

**SELECT u.FirstName, u.LastName, u.Email, u.Phone, c.Name FROM users u**

**INNER JOIN companies c ON u.CompanyId = c.Id**

* Show All Details Of Company Member in Company Aitrich Academy

**select u.FirstName , u.LastName , u.Email , u.Phone , c.Name from users u, companies c where u.CompanyId=c.Id and c.Name='Aitrich Academy'**