

**THE STATE UNIVERSITY OF ZANZIBAR**

**SCHOOL OF COMPUTING COMMUNICATION AND MEDIA STUDIES**

**DEPARTMENT OF COMPUTER SCIENCES AND INFORMATION TECHNOLOGY**

**TUNGUU CAMPUS**

**COURSE CODE: INF 2112**

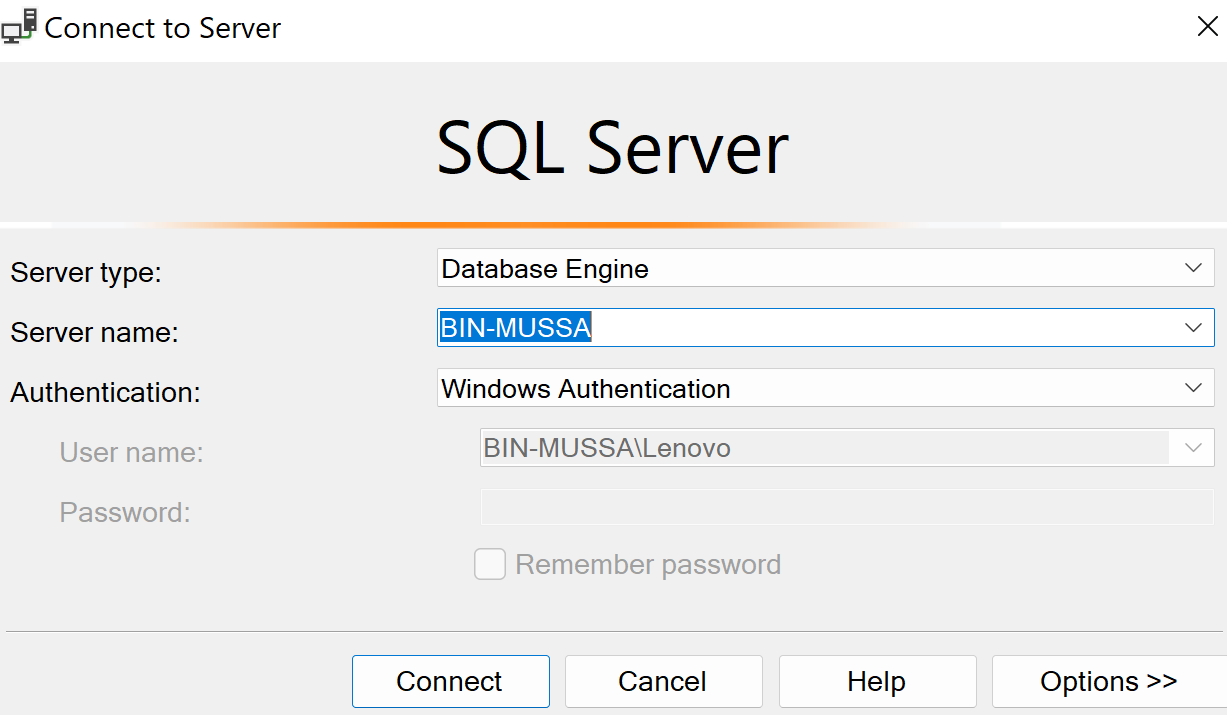
**COURSE TITLE: DATABASE APPLICATION**

**DATE: 22ndJanuary 2023**

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**REG.NO BITAM/9/21/046/TZ**

1. Name is BIN-MUSSA with Windows Authenitication



Statement used to create the database

1. create database DBSecurity
2. Schema

USE DBSecurity

CREATE SCHEMA [Bussiness] AUTHORIZATION [dbo]

GO

CREATE SCHEMA [Accomodation] AUTHORIZATION [dbo]

GO

1. Login

CREATE LOGIN [Agent] WITH PASSWORD=N'Agent', DEFAULT\_DATABASE=[master], CHECK\_EXPIRATION=OFF, CHECK\_POLICY=OFF

GO

User

CREATE USER [HrAgent] FOR LOGIN [Agent] WITH DEFAULT\_SCHEMA=[dbo]

1. Role

USE [DBSecurity]

GO

CREATE ROLE [HumanResourceAgent] AUTHORIZATION [dbo]

GO

USE [DBSecurity]

GO

ALTER AUTHORIZATION ON SCHEMA::[Bussiness] TO [HumanResourceAgent]

GO

USE [DBSecurity]

GO

ALTER ROLE [HumanResourceAgent] ADD MEMBER [HrAgent]

GO

1. create table Accomodation.Park(

ParkID int PRIMARY KEY NOT NULL,

ParkName varchar(200) NOT NULL)

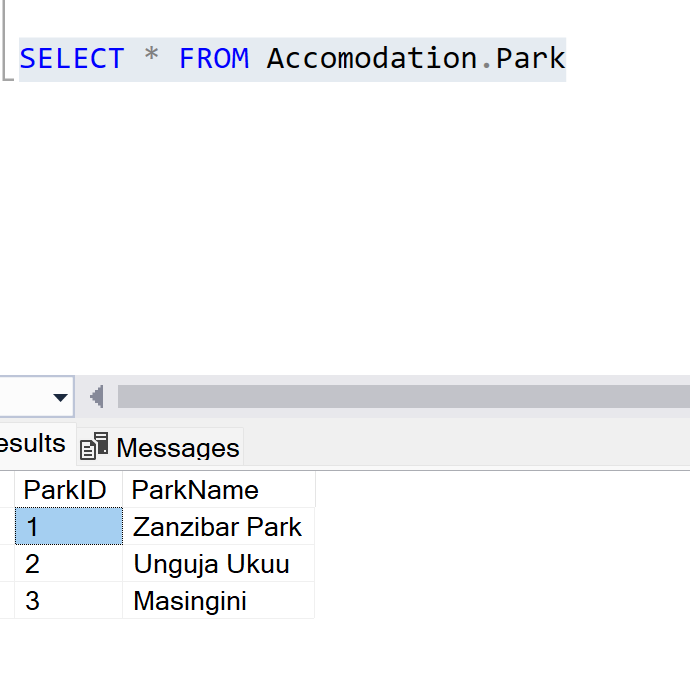
1. SELECT \* FROM Park

Error is INVALID OBJECT NAM Park

Solution is to define schema name before Park

Correct query

SELECT \* FROM Accomodation.Park



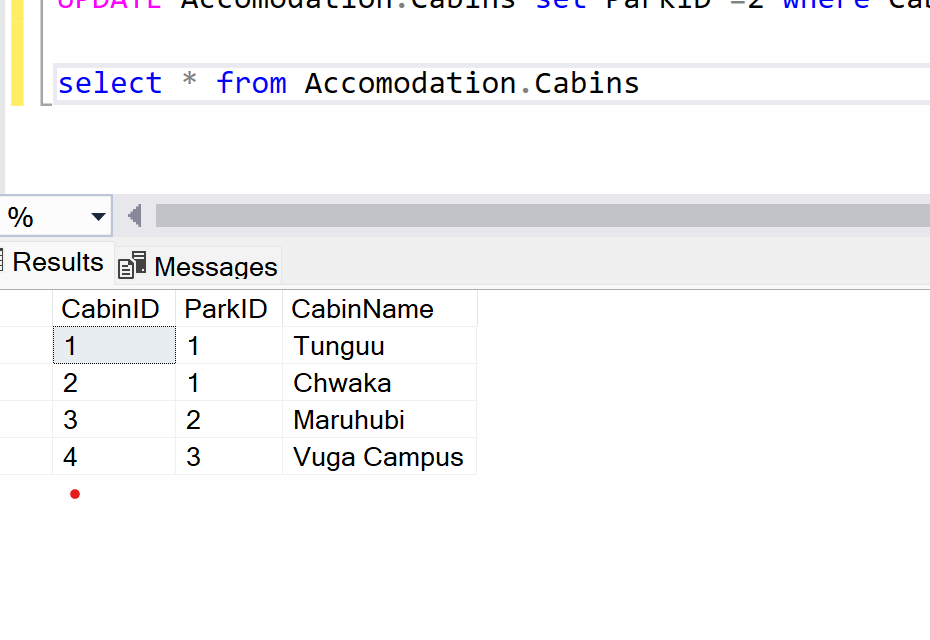
1. Cabin table

create TABLE Accomodation.Cabins(

CabinID int PRIMARY KEY NOT NULL,

ParkID int foreign key references Accomodation.Park(ParkID),

CabinName VARCHAR(200))



1. create table Accomodation.CabinAvailability(

CabinID int not null foreign key references Accomodation.Cabins(CabinID),

AvailabilityDate smalldatetime not null,

AvailabilityFlag char(1) CHECK (AvailabilityFlag ='Y' or AvailabilityFlag ='N') default 'Y' not null,

CONSTRAINT PKEY PRIMARY KEY(CabinID,AvailabilityDate))

