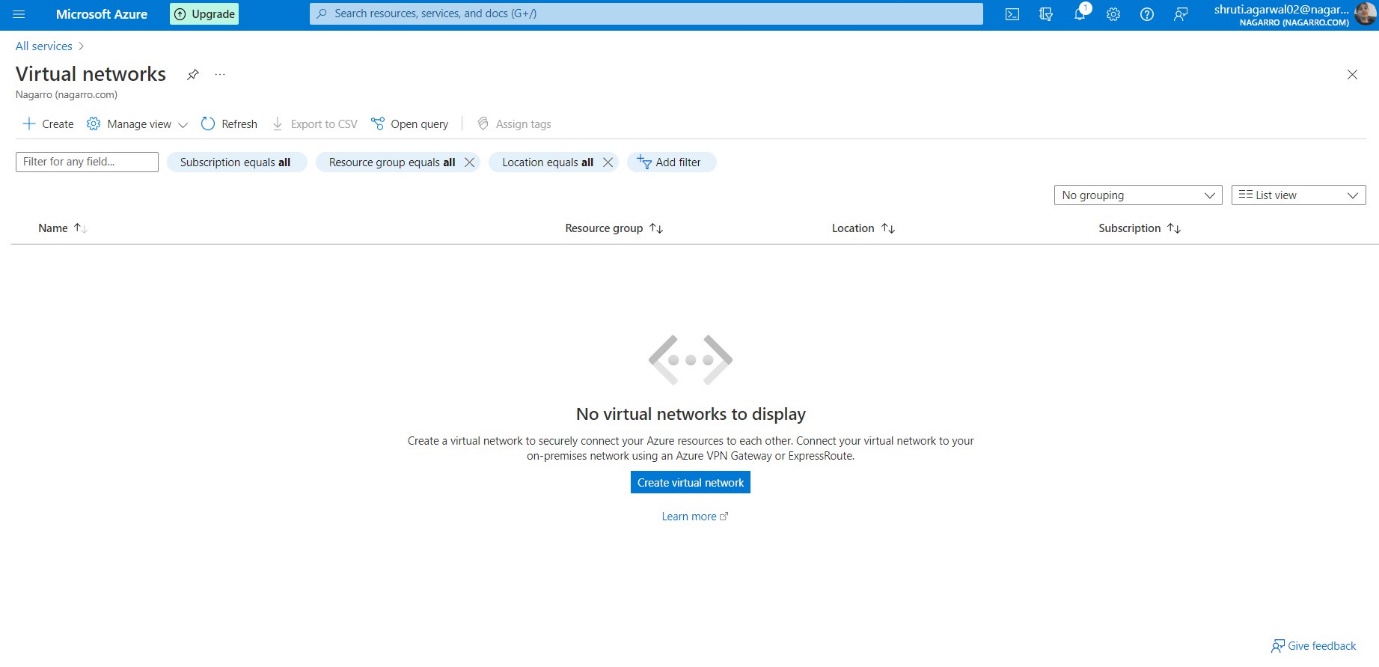
**Create a virtual network with 2 subnets. Each subnet should have 16 Ips only. Inside one of the subnets, create a VM and deploy an application code inside it and it should leverage the database on the cloud (any existing application created by you before)**

1. Go to portal.azure.com and select Virtual Networks



1. Then select the subscription, resource group and give the name of the virtual network and then select the region.

Graphical user interface, application

Description automatically generated

1. Adding 2 Subnets of 16 Ips named: Subnet\_01, Subnet\_02

Graphical user interface, text, application, email

Description automatically generated

1. Now remain the security as it is

Graphical user interface, application, Word

Description automatically generated

1. Now, remain the tags as it is, if you don’t want to



1. After that click on Create button and wait for it to get deployed

Graphical user interface, text, application, email

Description automatically generated

1. Now, virtual network has been create

Graphical user interface, text, application, email

Description automatically generated

1. Now, click on Create and fill the details of the subnet and under the Subnet address range change 10.0.0.0/24 to 10.0.0.0/28 to make the available Ips to 16 i.e., 11+ 5 reserved by azure. Do same thing to create another subnet.

Graphical user interface, text, application, email

Description automatically generated

1. After that click on create virtual machine and select Azure Virtual Machine

Graphical user interface, text, application, email

Description automatically generated

1. Then select the subscription, resource group and fill the details

Graphical user interface, text, application

Description automatically generated

1. Then for Image select Windows 10 pro and give the username and password and scroll down for further details

Graphical user interface, application

Description automatically generated

1. Then select the inbound ports as RDP(3389) and click the check box

Graphical user interface, text, application, email

Description automatically generated

1. Now, remain the disk part as it is

Graphical user interface, text, application, email

Description automatically generated

1. Then go to the Networking section select the Virtual Network and the Subnet for the Virtual machine to get deployed and click Review and create

Graphical user interface, application

Description automatically generated

1. Then click on Create button and wait for it to get deployed

Graphical user interface, text, application

Description automatically generated

1. Then click on go to resource

Graphical user interface, text, application, email

Description automatically generated

1. Then click on Connect and select RDP

Graphical user interface, text, email

Description automatically generated

1. Then click on Download RDP file and the click on the downloaded file

Graphical user interface, text, application, email

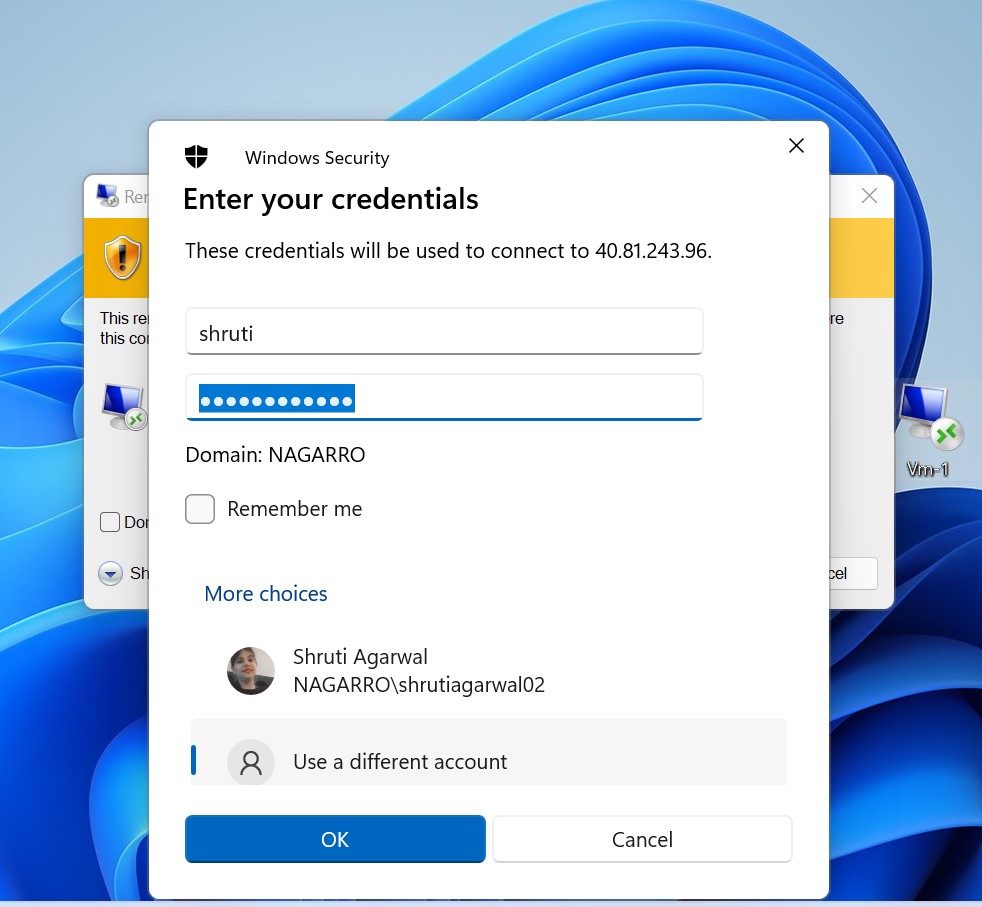
Description automatically generated

1. Then click on connect

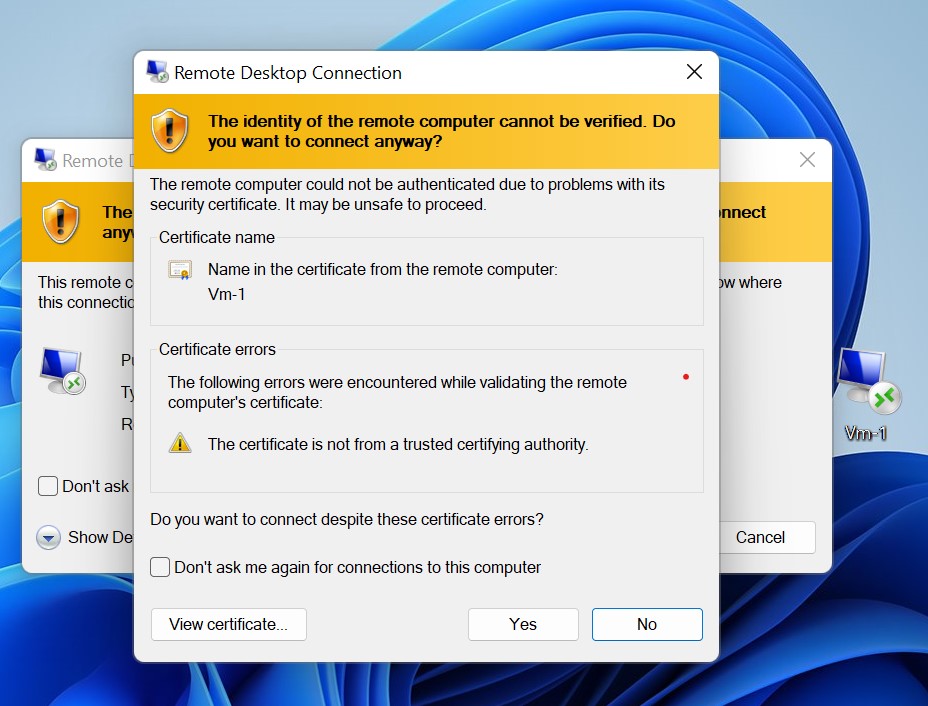
Graphical user interface

Description automatically generated

1. Then select Use a different account



1. Then click on Yes and after that you will be moved to the virtual machine using remote desktop Connection.

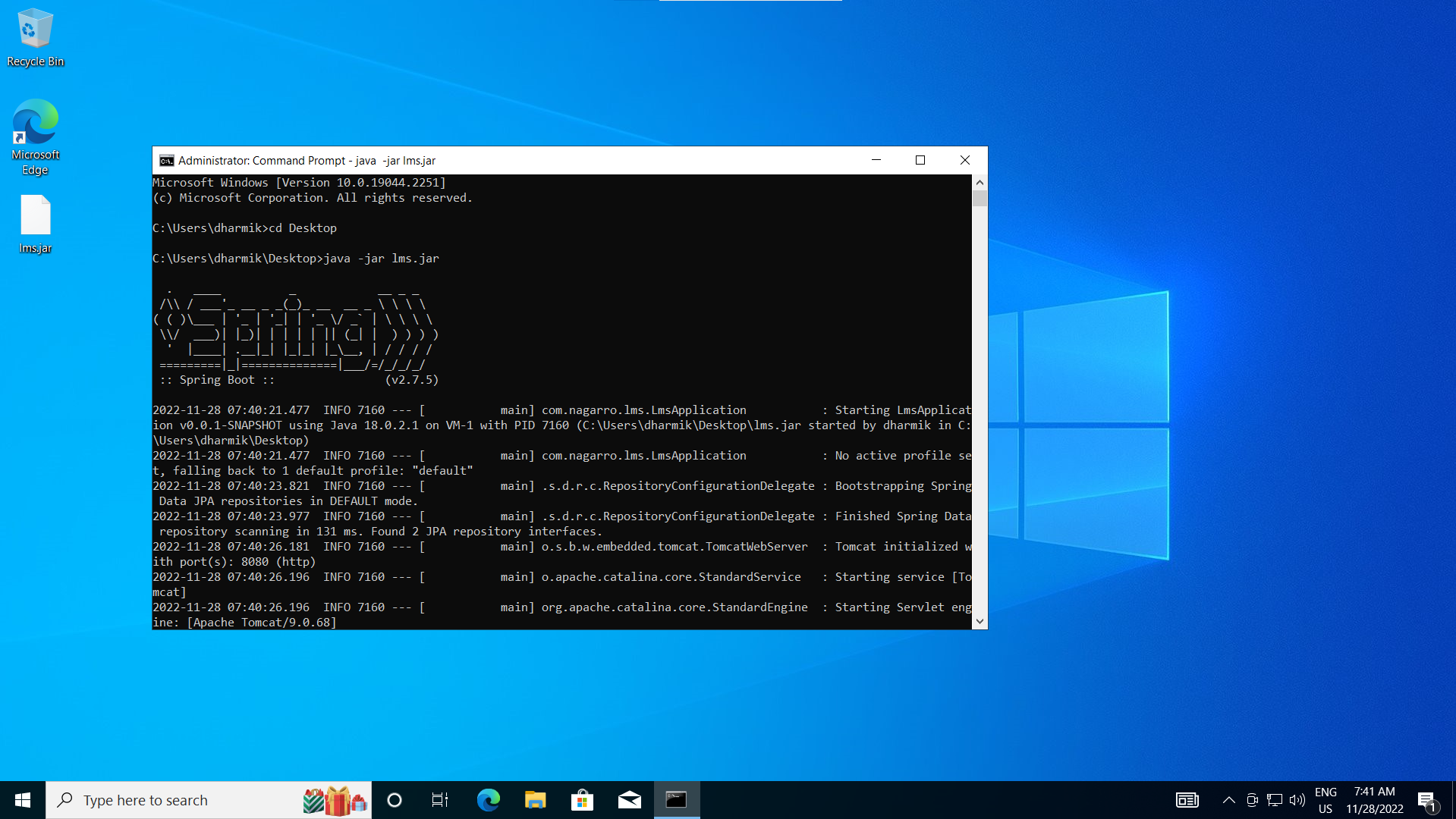


1. Now VM is started.

A computer screen capture

Description automatically generated with medium confidence

1. After moving to the virtual machine I have installed the jdk:18 and run the jar file of the application which is connected to the azure database.



1. Output of the application after running the URL

