Creation of Service Principle in Azure Databricks:

1. Created an Ubuntu machine in Azure Portal

2. Install JQ on Ubuntu using the command “snap install jq”

3. Install azure cli using the commands

- sudo apt-get update

- sudo apt-get install azure-cli

4. Create a directory on ubuntu machine using mkdir “project”

5. Create a file inside the directory “project” with the filename “script.sh”

6. Copy and paste the script in a sequence inside the file “script.sh”

7. First paste the below code and run bash script.sh

#! /usr/bin/bash

set -o errexit

set -o nounset

set -o pipefail

export ARM\_SUBSCRIPTION\_ID=$1 #047ca710-067e-4a60-8ce6-494268568149

export ARM\_TENANT\_ID=$2 #628c6235-eec7-4eb3-a501-ad11fab87352

export ARM\_CLIENT\_ID=$3 #d2424188-a2d7-4856-8464-e458a558365d

export ARM\_CLIENT\_SECRET=$4 #tPY8Q~crub~a.OX9volxXQmfFDQTZ8n5ikkjQdCq

export MANAGEMENT\_RESOURCE\_ENDPOINT="https://management.core.windows.net/" # This is Fixed value (DO NOT CHANGE)

export AZURE\_DATABRICKS\_APP\_ID="2ff814a6-3304-4ab8-85cb-cd0e6f879c1d" # This is Fixed value (DO NOT CHANGE)

export RESOURCE\_GROUP=$5 #"TestRG"

export LOCATION=$6 #"southeastasia"

export DATABRICKS\_WORKSPACE=$7 #"TestNKWorkspace"

export DATABRICKS\_CLUSTER\_NAME=$8 #"test-cluster-01"

export DATABRICKS\_SPARK\_VERSION=$9 #"7.3.x-scala2.12"

export DATABRICKS\_NODE\_TYPE="Standard\_D3\_v2"

export DATABRICKS\_NUM\_WORKERS=3 # Need to be number

export DATABRICKS\_SPARK\_CONF='{"spark.speculation":"true","spark.databricks.delta.preview.enabled":"true"}' # Needs to be valid JSON

export DATABRICKS\_AUTO\_TERMINATE\_MINUTES=60 # Need to be a number

8. Now copy and paste the below code in “script.sh” and run “bash script.sh” it will create service principle

# Login using service principle

echo "Logging in using Azure service priciple"

az login --service-principal -u $ARM\_CLIENT\_ID -p $ARM\_CLIENT\_SECRET --tenant $ARM\_TENANT\_ID

az account set -s $ARM\_SUBSCRIPTION\_ID