Shell Script - Project 1

Q: Write a shell script to report/track the usage of AWS in your project?

Step 1: Create a Linux vm on cloud and connect to it

Step 2: Install aws cli on linux machine and check by running "aws --version" command.

Step 3: Connect to AWS website by running "aws configure" command and provide AWS access key ID and Secret Access key which you should create on AWS console.

(To create access key --> Login to AWS --> Click on the profile --> Security credentials --> Create access key)

Step 4: Write below bash script.

```bash
#!/bin/bash

###############################
# Author: Manoj Kumar Malaka
# Date: 02/05/2024
# Version: V1
# This script will report the AWS resource usage

#####################################

# Resources we are going to track: AWS S3, EC2, AWS Lambda, IAM

set -x
# list s3 buckets
echo "Prine list of S3 buckets"
aws s3 ls

# list Ec2 instaces
#I want only Instance ids. For that use jq which is a json parser
which will help to get only wahat we want as this output is in JSON
format
#[]: We use [] becuase it is a list.
echo "Prine list of EC2 instances"
aws ec2 describe-instances | jq
'.Reservations[].Instances[].InstanceId'

# list AWS Lambda functions
echo "Prine list of AWS Lambda functions"
```

```
aws lambda list-functions

#list IAM users
echo "Prine list of IAM  users"
aws iam list-users
```

Step 5: Change the permission to the file and execute it.