Assignment sheet for IAM Assignment

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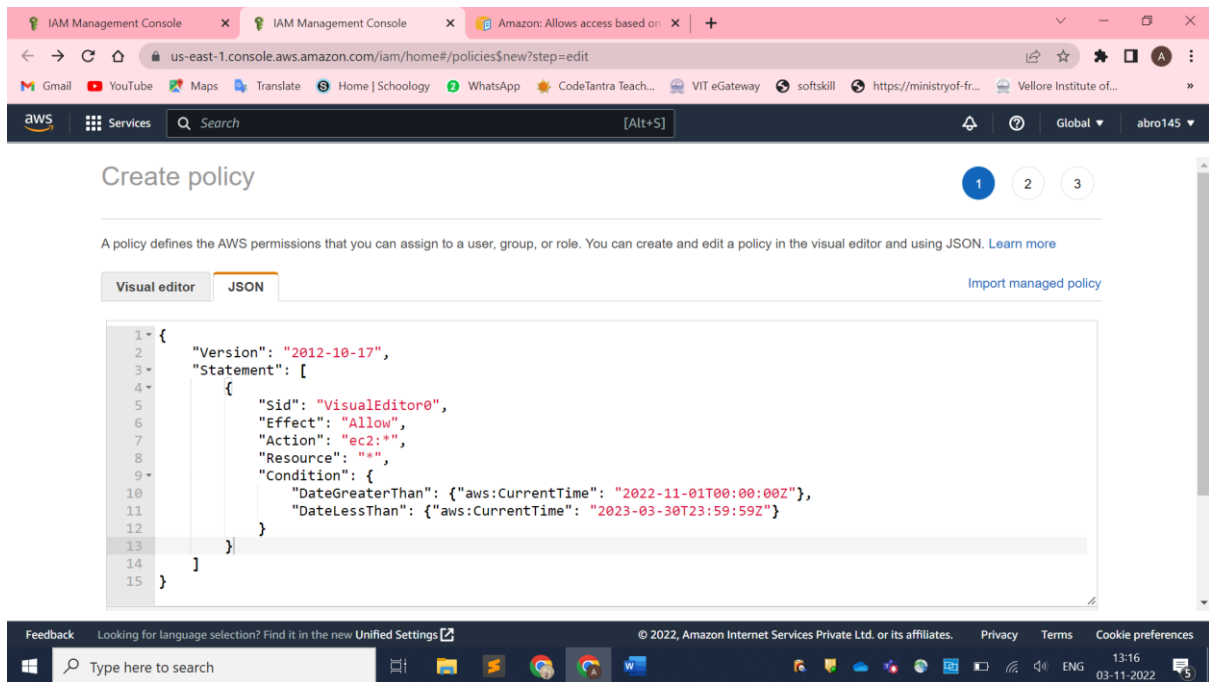1 :- Create an IAM user with username of your own wish and grant administrator policy

Assignment 2 :- Hello students, in this assignment you need to prepare a developers team of avengers. - Create 3 IAM users of avengers and assign them in developer's groups with IAM policy

Assignment 3 :- Define a condition in policy for expiration like


```
{
    "Version": "2012-10-17",
    "Statement": [
        {
            "Sid": "VisualEditor0",
            "Effect": "Allow",
            "Action": "ec2:*",
            "Resource": "*",
            "Condition": {
                "DateGreaterThan": {"aws:CurrentTime": "2022-11-01T00:00:00Z"},
                "DateLessThan": {"aws:CurrentTime": "2023-03-30T23:59:59Z"}
            }
        }
    ]
}
```

```
        ]
}
```
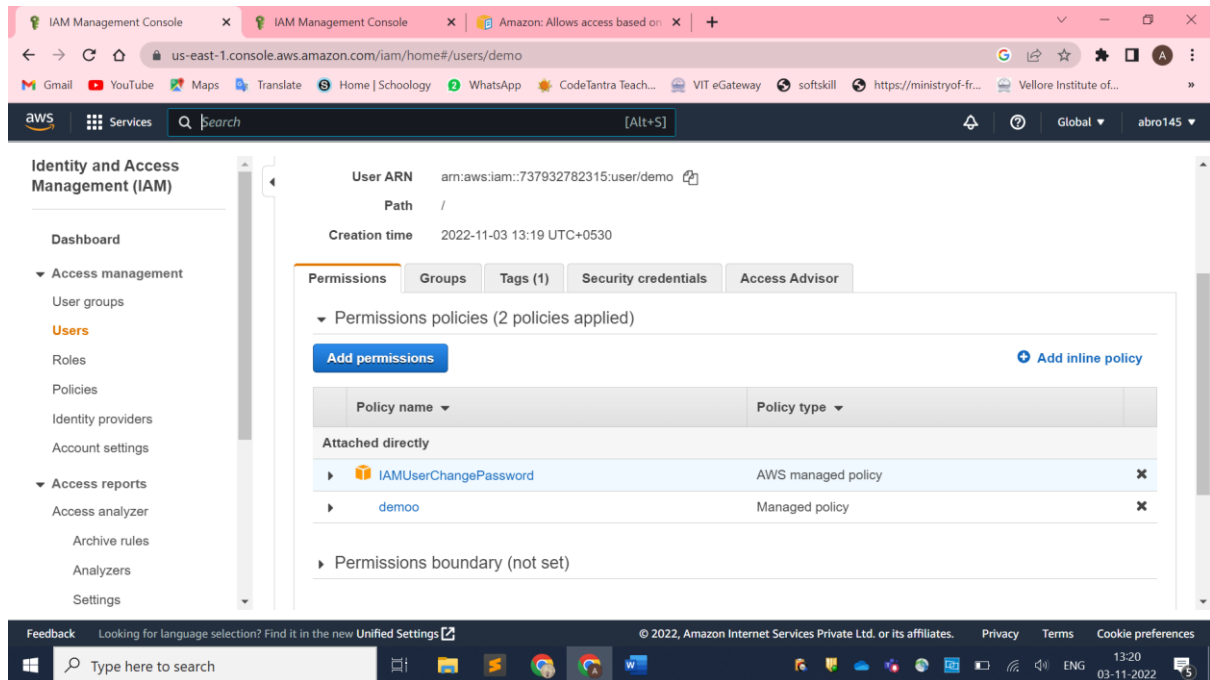

Assignment 3 :- Prepare 15 authentic MCQ questions related to IAM

| **Which of the following is the most secure way of giving access to AWS services to applications running on Ec2 instances?** |
| answer choices |
| Creating Service users |
| Creating service groups |
| Roles |

| Q. |
| **True or False : An explicit Deny in IAM precedes over an explicit allow** |
| answer choices |
| TRUE |
| FALSE |

| Q. |

TRUE or FALSE : By default a new user in IAM has permisiions to log in to the AWS Console.

answer choices

TRUE

FLASE

Q.

Which of the following is not an IAM best practice?

answer choices

Delete user accounts not in use

Attach policies to individual users

Manage permissions by adding users to groups

Q.

Wch of the following set of credentials are used to log in to AWS programmatically? (Choose two)

answer choices

Username

Access Key

Password

Secret Key

Identify the wrong statement.

  (a) Identity and access management (IAM) is a framework for business processes that facilitates the manage

  (b) With IAM technologies, IT managers can control user access to critical information within their organiza

  (c) Identity and access management products offer role-based access control

  (d) In IAM roles are defined according to the ability of an individual user to perform a specific task, such as

Show Answer

Which of these is Identity in IAM?

(a)Users

(b)Groups

(c)Roles

(d)All of these

An IAM user:

  (a)   is an entity that you create in AWS

  (b)   is to give people the ability to sign in to the AWS Management Console for interactive tasks and to

  (c)   A and B both

  (d)   None of these

IAM role:

(a) Have credentials (password or access keys) associated with it

(b) Does not have any credentials (password or access keys) associated with it

(c) May or may not have credentials (password or access keys) associated with it

(d) None of these

AWS evaluates _____ when an IAM principal makes a request.

(a)Username and Password

(b)MAC Address

(c)Security Policies

(d)IP Address

AWS supports _____ types of policies.

(a) 4

(b) 5

(c) 6

(d) 7

How many maximum groups can be created in an AWS account?

(a) 25

(b) 50

(c) 100

(d) 200

How many maximum access keys can be assigned to an IAM user?

(a) 1

(b) 2

(c) 3

(d) 4

Assignment 4 :- Launch your linux instance in IAM and update your machine.