ASSIGNMENT
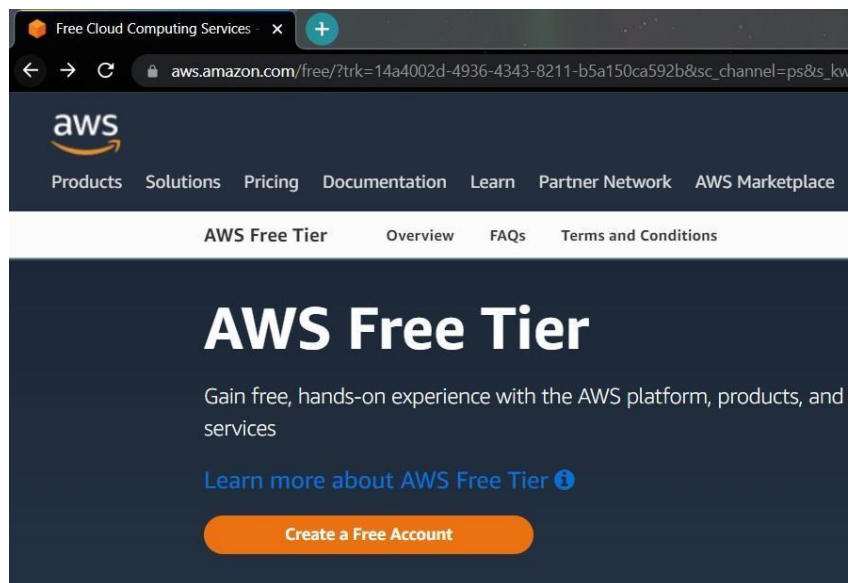# NO-01

🧩 Problem Statement:-
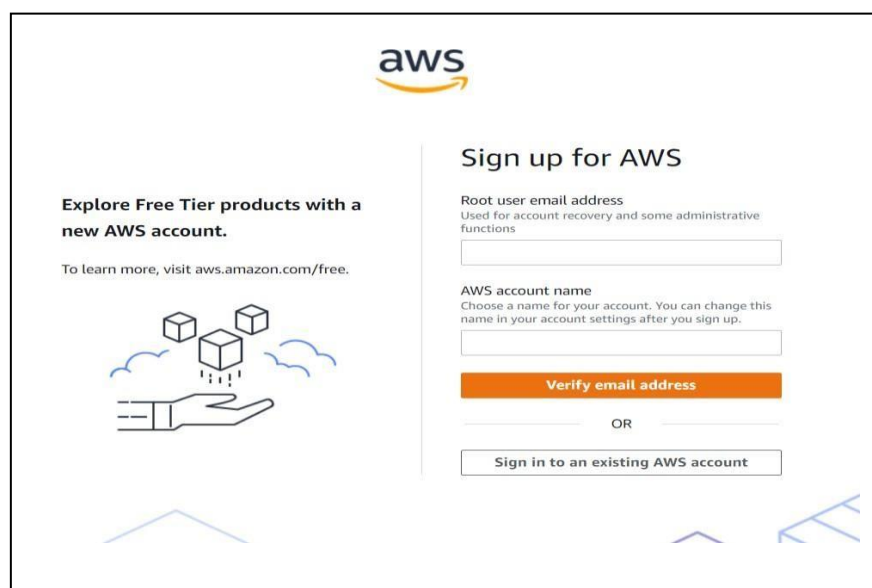
1. **Create an AWS account in AWS and configure a Budget.**

🎲 Steps:-

   I.   Go to the AWS homepage at https://aws.amazon.com/ and click on the "Create an AWS Account".

   II. Enter root user email address and AWS account name then verify the email address.

   III. After verification enter root user password and continue.

aws

Sign up for AWS

Create your password

Explore Free Tier products with a new AWS account.

To learn more, visit aws.amazon.com/free.

✓ It's you! Your email address has been successfully verified. ✕

Your password provides you with sign in access to AWS, so it's important we get it right.

Root user password

••••••••••••

Confirm root user password

••••••••••••

Continue (step 1 of 5)

IV.   Enter your details and click continue.

English ▼

aws

Sign up for AWS

Contact Information

Free Tier offers

All AWS accounts can explore 3 different types of free offers, depending on the product used.

Always free
Never expires

12 months free
Start from initial sign-up date

Trials
Start from service activation date

How do you plan to use AWS?

○ Business – for your work, school, or organization

● Personal – for your own projects

Who should we contact about this account?

Full Name

Soujannya Deb

Phone Number

🇮🇳 +91 ▼ | 08583990777

Country or Region

India ▼

Address

197/1

Haran Chandra Banerjee Lane

City

Konnagar

State, Province, or Region

West Bengal

Postal Code

712235

Customers with an Indian contact address are served by Amazon Web Services India Private

V. Enter card details and process payment.

English ▼

aws

Sign up for AWS

Secure verification

ⓘ We will not charge you for usage below AWS Free Tier limits. We may temporarily hold up to $1 USD (or an equivalent amount in local currency) as a pending transaction for 3-5 days to verify your identity.

Billing Information

Credit or Debit card number

VISA ● AMEX

AWS accepts all major credit and debit cards. To learn more about payment options, review our FAQ

Expiration date

Month ▼   Year ▼

Cardholder's name

CVV

Billing address

● Use my contact address
197/1
Konnagar West Bengal 712235
IN

○ Use a new address

Do you have a PAN?
Permanent Account Number (PAN) is a ten-digit alphanumeric number issued by the Indian Income Tax Department. This 10-digit number is printed on the front of your PAN card.
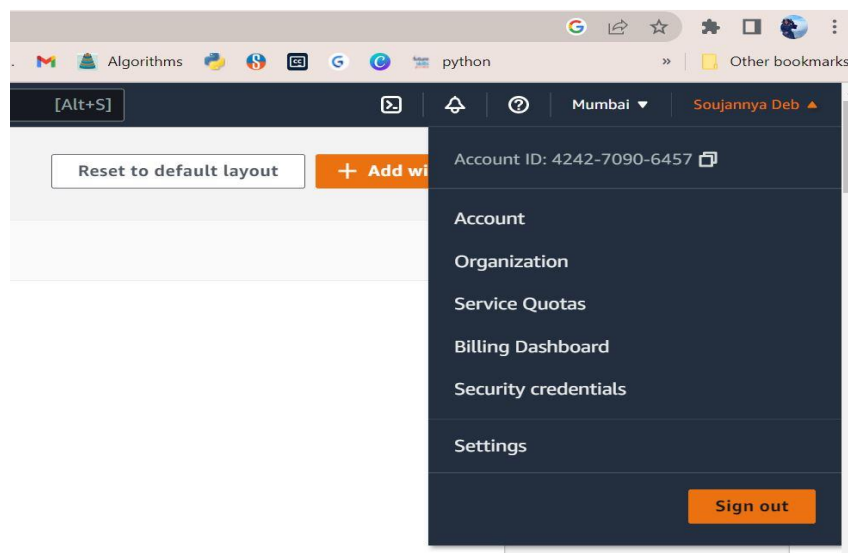
○ Yes
● No

You can go on the Tax Settings Page on Billing and Cost Management Console to update your PAN information.
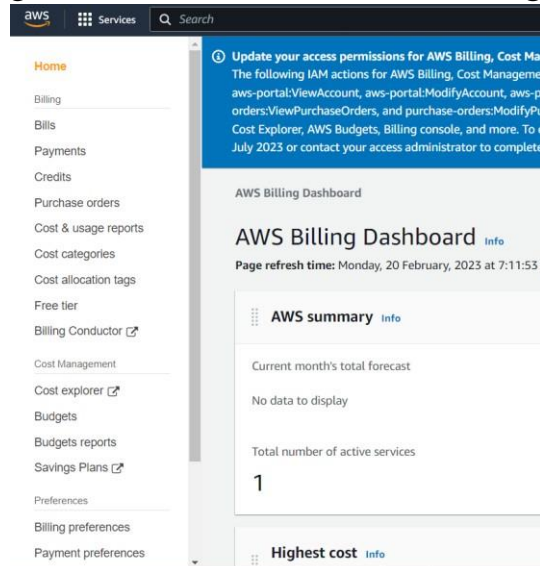
Once these steps are completed AWS account has been completed and now user can start using AWS services .Some services may charge , so user should monitor usage and billing.

Budget configure:-
   i. Click on the account profile name on the top right corner and click "Billing Dashboard".

[Alt+S]   Mumbai ▼   Soujannya Deb ▲

Reset to default layout   + Add wi

Account ID: 4242-7090-6457

Account

Organization

Service Quotas

Billing Dashboard

Security credentials

Settings

Sign out

ii. Click on budgets on the left side in "Cost Management" section.

iii. Click "Create Budget".
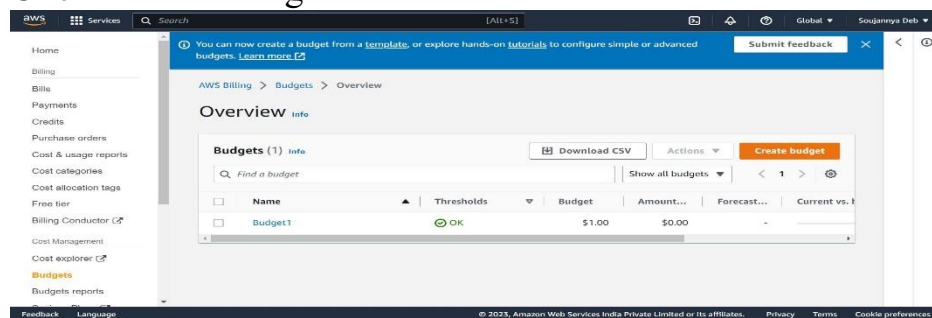
iv. Click on "Customize (advanced)" and rest will be as it is and click next.
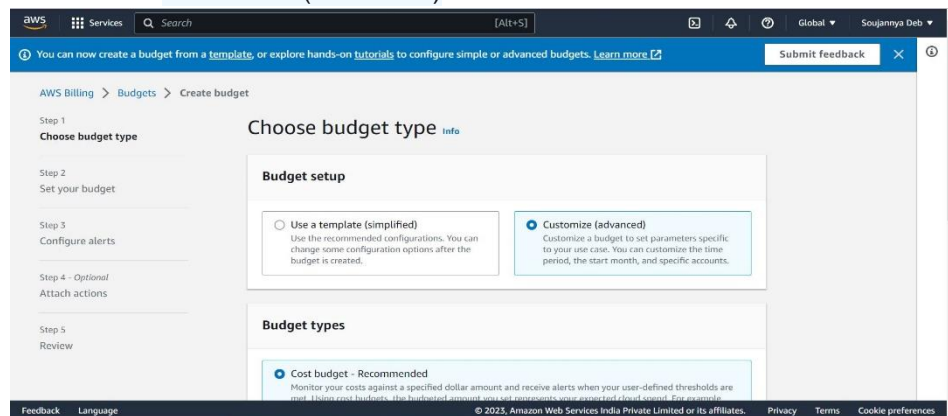
v. Enter budget name.

vi.   Set period , budgeted amount, budget type according to user's choice .

Set budget amount

Period
Daily budgets do not support enabling forecasted alerts, or daily budget planning.

Monthly ▼

Budget renewal type

● Recurring budget
Recurring budgets renew on the first day of every monthly billing period.

○ Expiring budget
Expiring monthly budgets stop renewing at the end of the selected expiration month.

Start month

Feb ▼	2023 ▼

Budgeting method Info

Fixed ▼
Create a budget that tracks against a single monthly budgeted amount.

Enter your budgeted amount ($)
Last month's cost: $0.00

1.00

vii.   Set " alert threshold" according to user and click next .

▼ **Alert #1**   Remove

Set alert threshold

Threshold When should this alert be triggered?		**Trigger** How should this alert be triggered?
80	% of budgeted amount ▼	Actual ▼

Notification preferences
Select one or more notification preferences to receive alerts.

Email recipients
Specify the email recipients you want to notify when the threshold has exceeded.

Soujannya.deb@gmail.com

Maximum number of email recipients is 10.
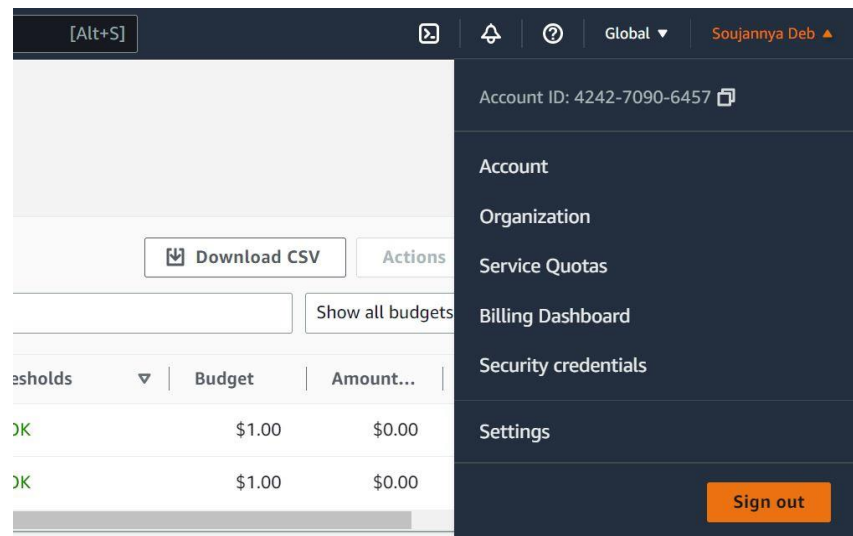
► Amazon SNS Alerts – *Optional* Info

viii.   Review budget and click "Create Budget".

Now, Budget is configured and created and user can download details by click on "Download CSV". User can review budget and edit at any time.
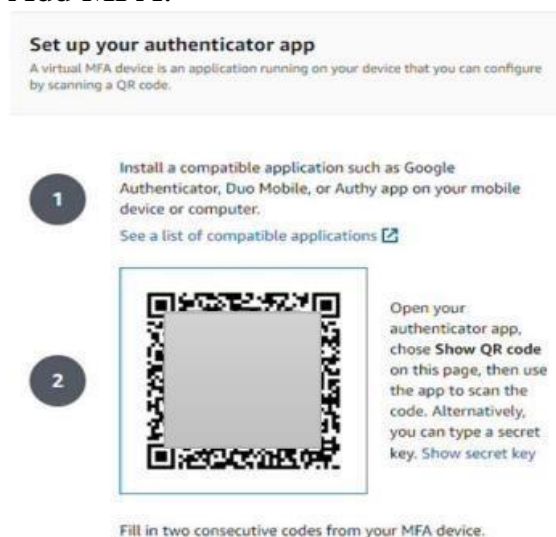
2. **Create MFA for authentication.**

🧊 Steps:-

1) At the top right corner click on account profile and click on "Security Credentials".

2) Click on "Assign MFA Device".

3) Specify a name in Device name and click NEXT.
4) Now Scan a QR Code with Google authentication application from mobile device. Then assign MFA codes from that device and Click Add MFA.
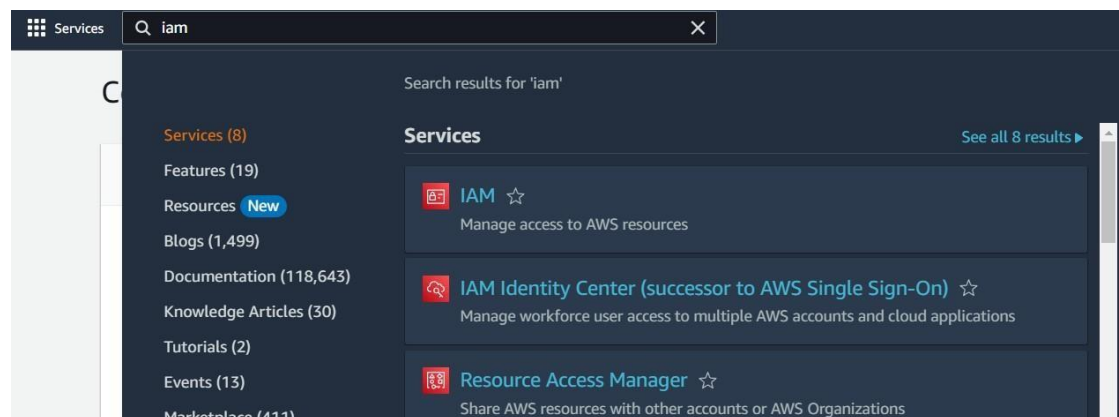

Now, Multi-Factor Authentication (MFA) is set up for user's AWS account, which adds an extra layer of security to help protect user's account from unauthorized access.

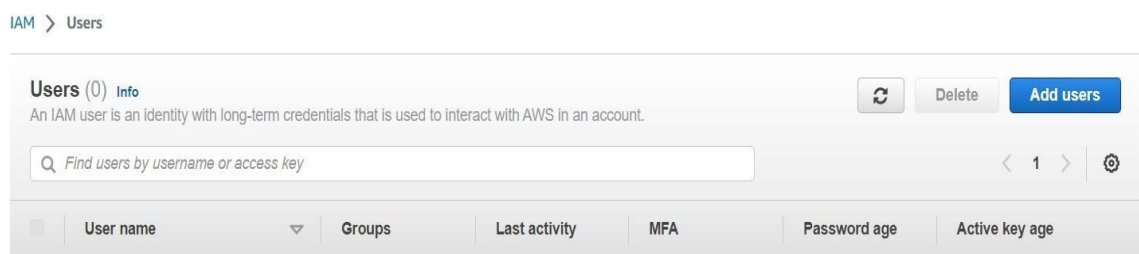### 3. **Create IAM user and thereby give full access of S3.**

🎁 Steps:-

A. In the account click on search section and type "IAM" and click on "IAM".

B. Click on "Users" in the right side of the page.
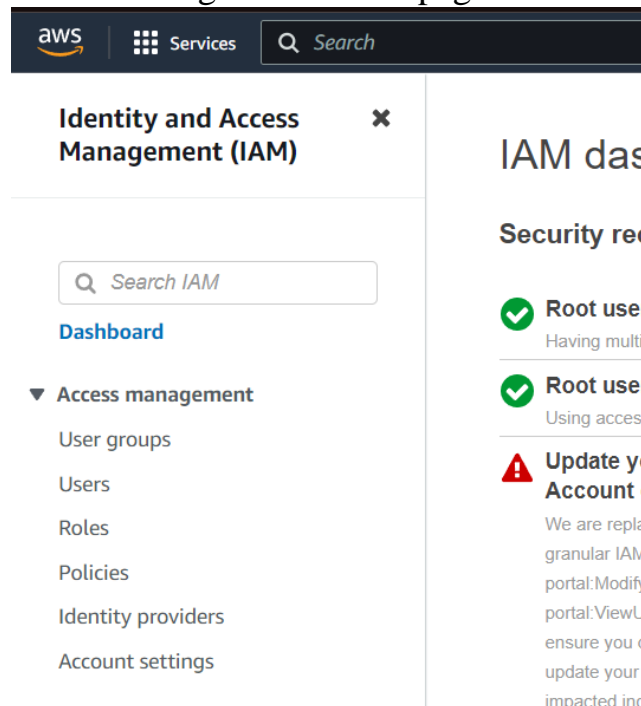

C. Click on "Add Users".

D. Then add user name and click the check box to provide console access and click "I want to create an IAM user" and give custom password and click next .

E. In User Group section click Create Group and enter User group name and give permissions of S3 and click create User group and add that group and click next .

F. Review options and click on Create User. Click on the "Download .csv file" to get the credentials of users. And Click Return to users list.
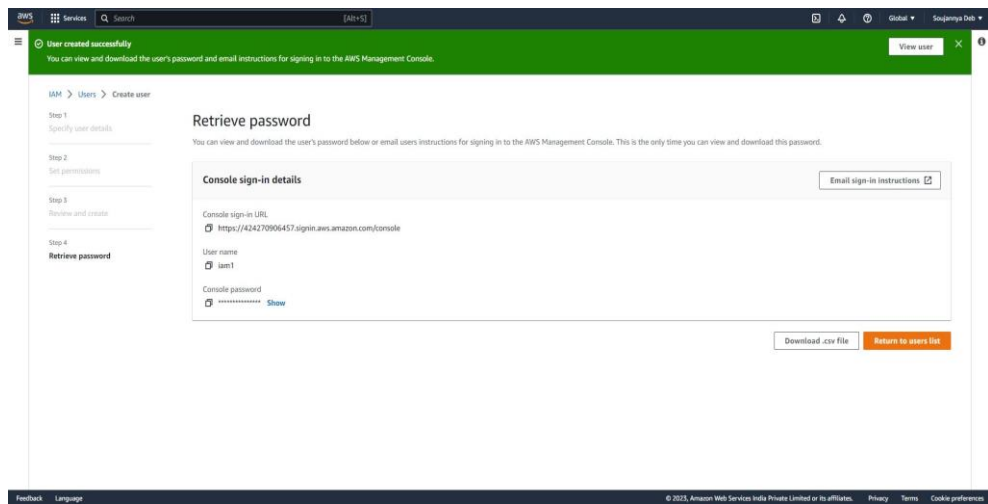
G. After returning click on IAM user name (ex-iam1) and go to "security credentials" and copy Console sign-in link and paste it in another tab of chrome or any search engine.
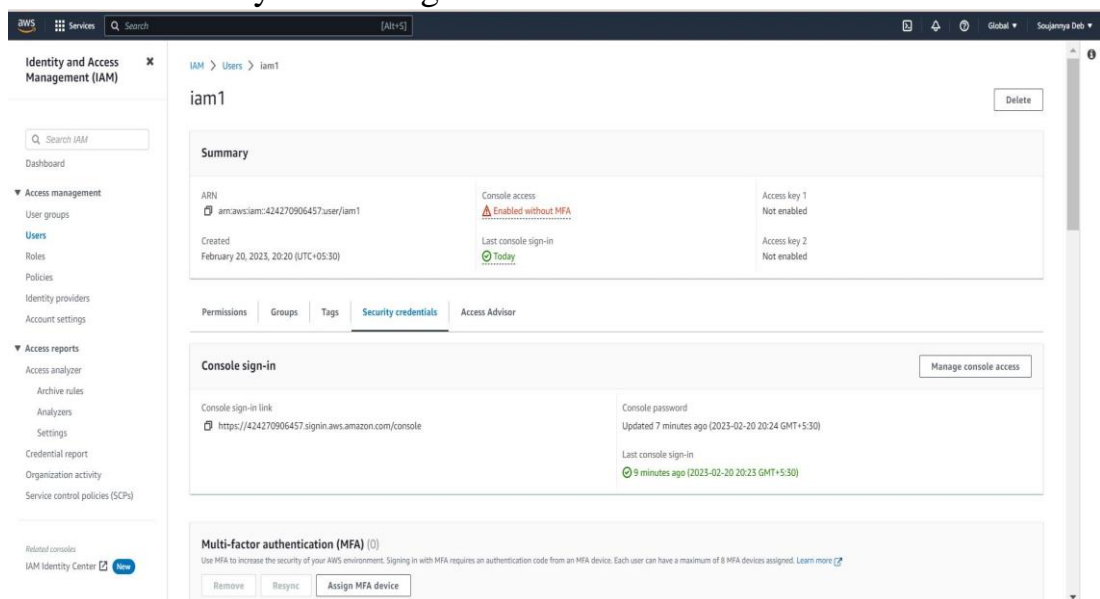
H. After opening the console link user should give relevant details and next user has to change the password and after changing it will open to the IAM user account.