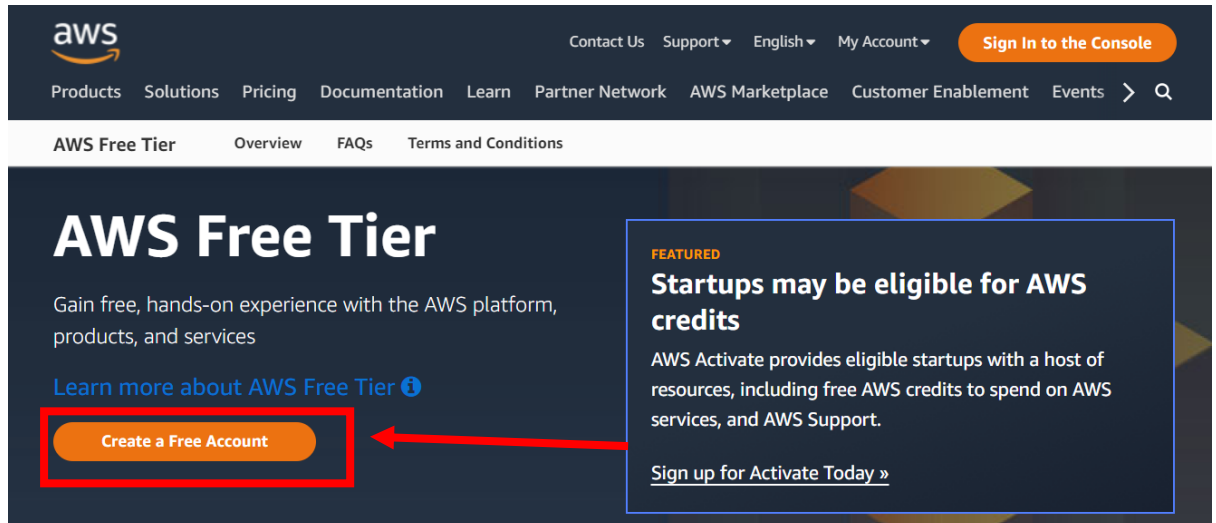


Assignment No- 1

Topic – Create an Account in **AWS** and Configure a Budget.

Steps:-

1. First Open your web browser and navigate to [AWS Free Tier Page](#).
2. On middle-click on Create a Free Account.



3. Issue the details which you want to use for login your AWS account and click on Continue
 - **Email address:** Provide the mail id which hasn't been registered yet with Amazon AWS.
 - **Password:** Type your password.
 - **Confirm password:** Authenticate the password.
 - **AWS Account name:** Choose a name for your account.

aws

Explore Free Tier products with a new AWS account.

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

Sign up for AWS

Root user email address
Used for account recovery and some administrative functions

AWS account name
Choose a name for your account. You can change this name in your account settings after you sign up.

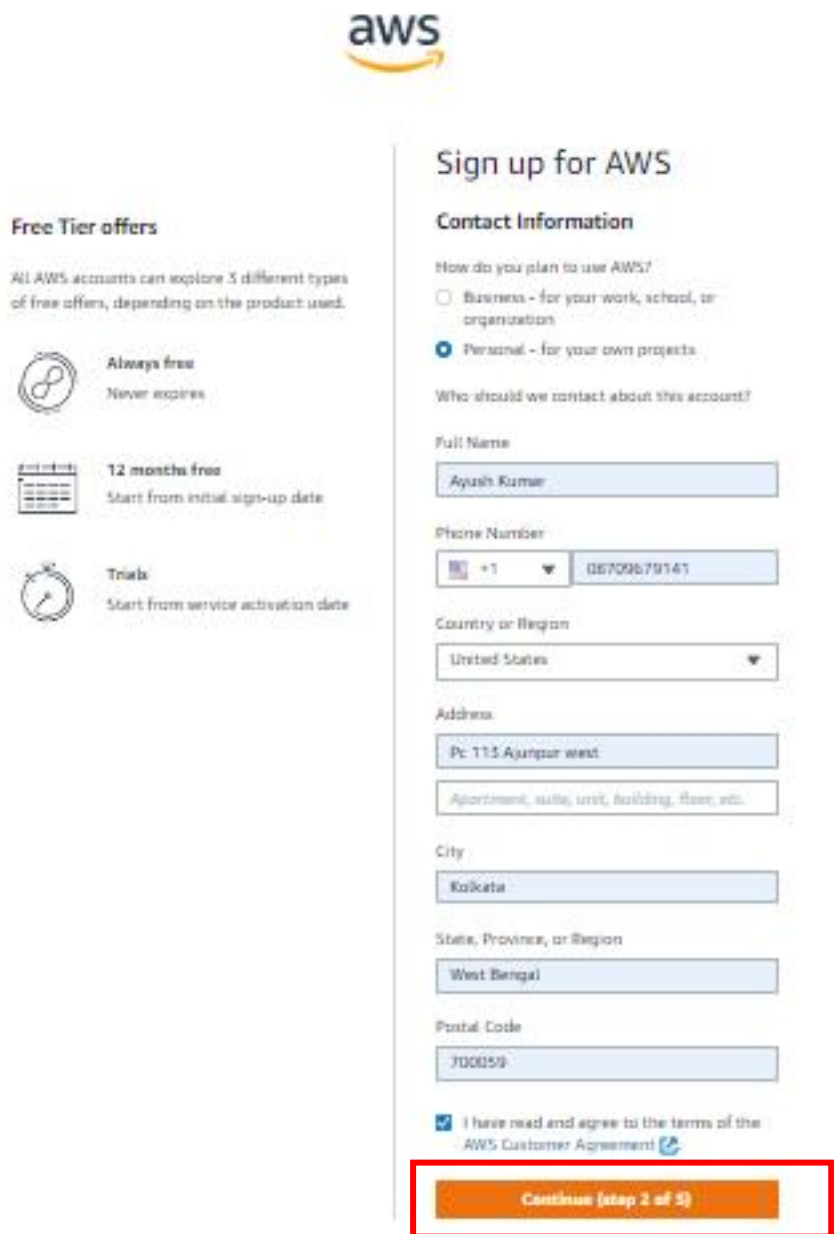
Verify email address

OR

[Sign in to an existing AWS account](#)

4. Contact Information

Select your AWS type (Profesional/ Personal) Fill in the correct information to validate your account if you're going to create personal use then click on "Personal Account" else use "Company Account", Accepts the Terms and condition and then click on Create Account and Continue.



Free Tier offers

All AWS accounts can explore 5 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

Sign up for AWS

Contact Information

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
Ayush Kumar

Phone Number
+1 08709679141

Country or Region
United States

Address
Pc: 115 Ajunpur west
Apartment, suite, unit, building, floor, etc.

City
Kolkata

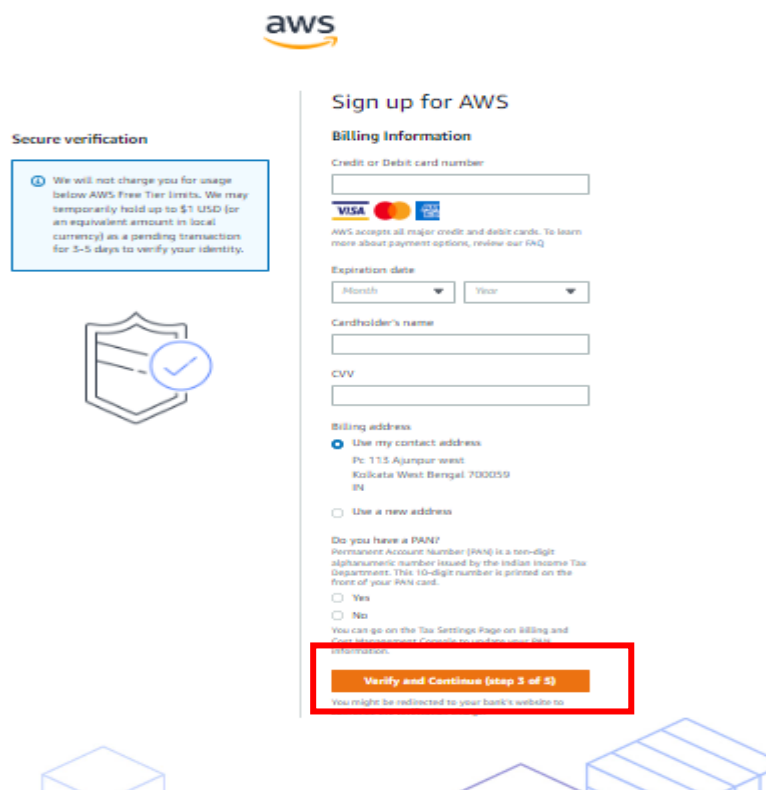
State, Province, or Region
West Bengal

Postal Code
700059

☒ I have read and agree to the terms of the AWS Customer Agreement

Continue (step 2 of 5)

5. Payment and PAN information: In this step, you must fill in your credit card /Debit Card info and billing address and click on Secure Submit.



aws

Sign up for AWS

Billing Information

Credit or Debit card number

VISA **MasterCard** **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
Pc 115 Ajanpur west
Kolkata West Bengal 700059
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.

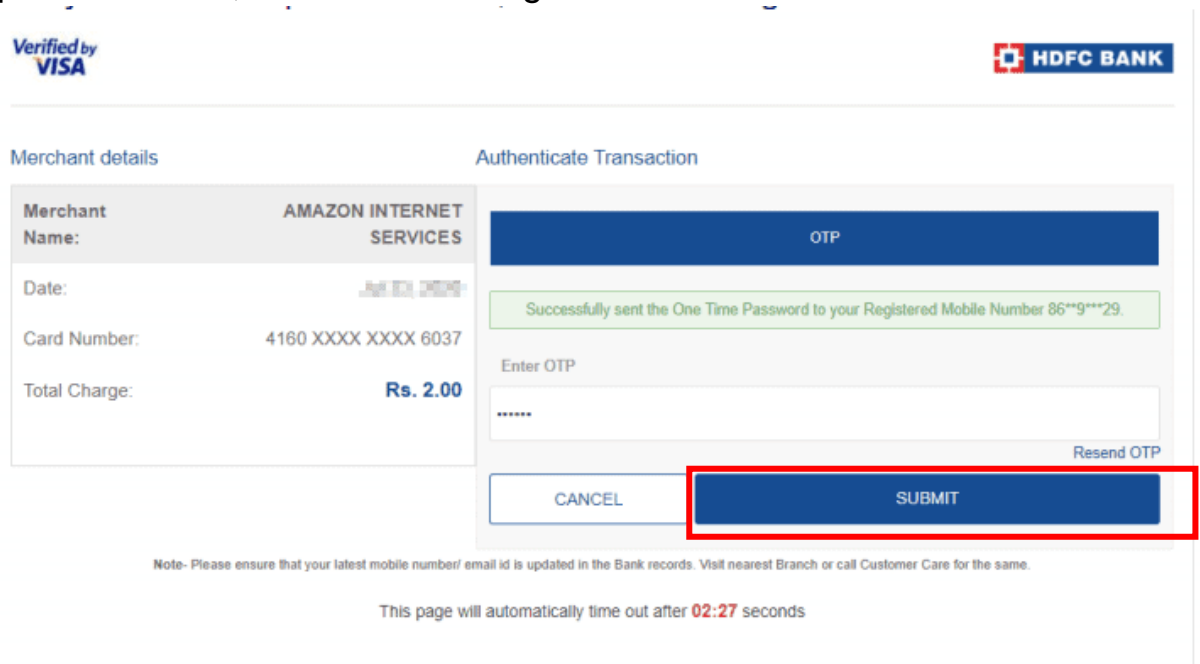
☐ Yes
☐ No

You can go on the Tax Settings Page on Billing and Cost Management console page to update your PAN information.

Verify and Continue (step 5 of 5)

You might be redirected to your bank's website to

6. In this step, it will take you to the payment gateway to validate your payment information and for your credit card verification, Amazon will charge the minimum price based on Country. Here I have provided India, so Amazon charged 2 INR.



Verified by VISA **HDFC BANK**

Merchant details **Authenticate Transaction**

| | |
|-----------------------|---------------------------------|
| Merchant Name: | AMAZON INTERNET SERVICES |
| Date: | 01/11/2023 |
| Card Number: | 4160 XXXX XXXX 6037 |
| Total Charge: | Rs. 2.00 |

OTP

Successfully sent the One Time Password to your Registered Mobile Number 86**9***29.

Enter OTP

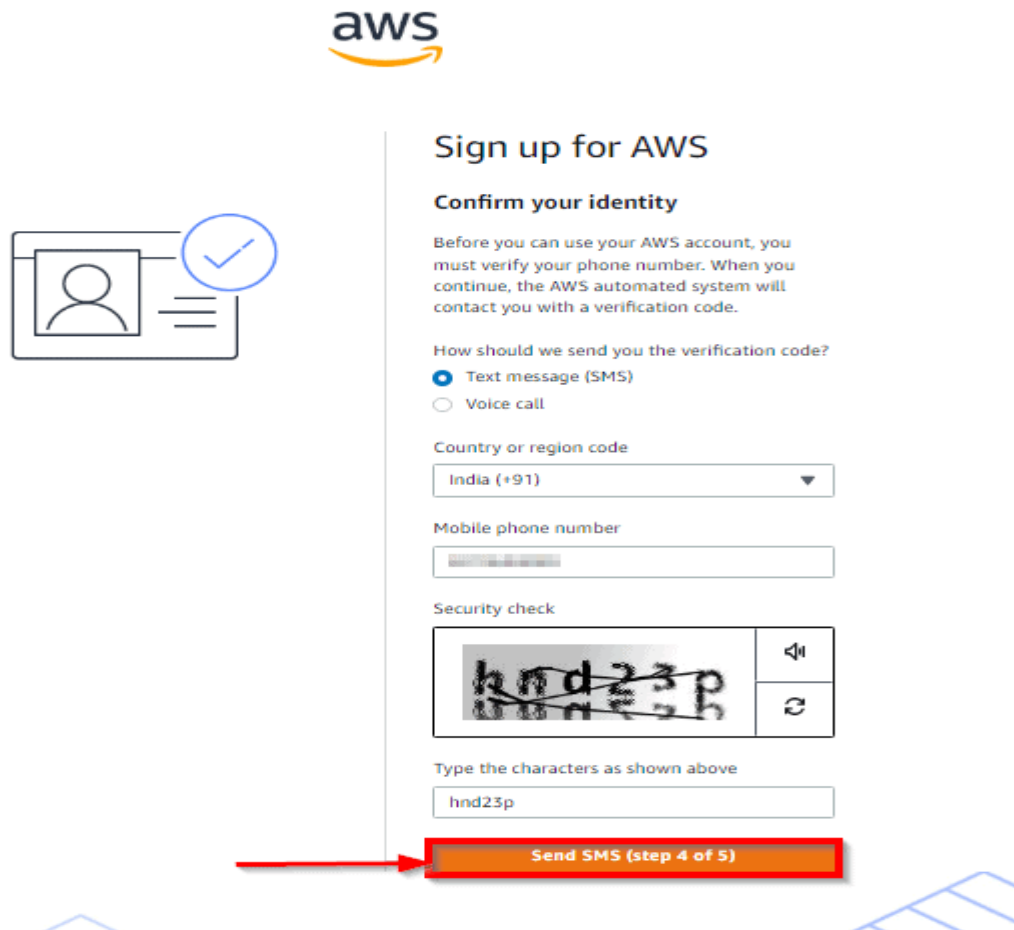
Resend OTP

CANCEL **SUBMIT**

Note- Please ensure that your latest mobile number/ email id is updated in the Bank records. Visit nearest Branch or call Customer Care for the same.

This page will automatically time out after **02:27** seconds

7. Phone verification: Here you will be taken to an identity verification page that will already have your phone number, so you just have to select either “Text message or Voice call” Provide a valid phone number, Solve the captcha and then click on Send SMS or Call Me Now(depending upon your selection).



aws

Sign up for AWS

Confirm your identity

Before you can use your AWS account, you must verify your phone number. When you continue, the AWS automated system will contact you with a verification code.

How should we send you the verification code?

☒ Text message (SMS)

☐ Voice call

Country or region code

India (+91)

Mobile phone number

Security check

hnd23p

Type the characters as shown above

hnd23p

Send SMS (step 4 of 5)

8. After clicking on Send SMS or Call me Now, you will immediately receive a call or SMS from Amazon, for verification code, Enter your code then click on Verify Code.

Enter verification code

Enter the 4-digit verification code that you received on your phone.

8393

Verify Code

Having trouble? Sometimes it takes up to 10 minutes to receive a verification code. If it's been longer than that, [return to the previous page](#) and enter your number again.




9. Support plan: AWS support offers a selection of plans to meet your business needs. Select your suitable plan then click continue.



Sign up for AWS

Select a support plan

Choose a support plan for your business or personal account. [Compare plans and pricing examples](#)
[You can change your plan anytime in the AWS Management Console.](#)

| | | |
|--|--|---|
| <input checked="" type="radio"/> Basic support - Free <ul style="list-style-type: none">Recommended for new users just getting started with AWS24x7 self-service access to AWS resourcesFor account and billing issues onlyAccess to Personal Health Dashboard & Trusted Advisor  | <input type="radio"/> Developer support - From \$29/month <ul style="list-style-type: none">Recommended for developers experimenting with AWSEmail access to AWS Support during business hours12 (business)-hour response times  | <input type="radio"/> Business support - From \$100/month <ul style="list-style-type: none">Recommended for running production workloads on AWS24x7 tech support via email, phone, and chat1-hour response timesFull set of Trusted Advisor best-practice recommendations  |
|--|--|---|



Need Enterprise level support?

From \$15,000 a month you will receive 15-minute response times and concierge-style experience with an assigned Technical Account Manager. [Learn more](#)

[Complete sign up](#)

10. Registration Confirmation page.

Once you completed all the above steps and processes. You'll get the confirmation page as below. Now your account will be processed for activation. It may take somewhere between 30 minutes to 1 hour for you to receive an email confirmation that your Amazon Cloud Services account has been activated.



Congratulations

Thank you for signing up for AWS.

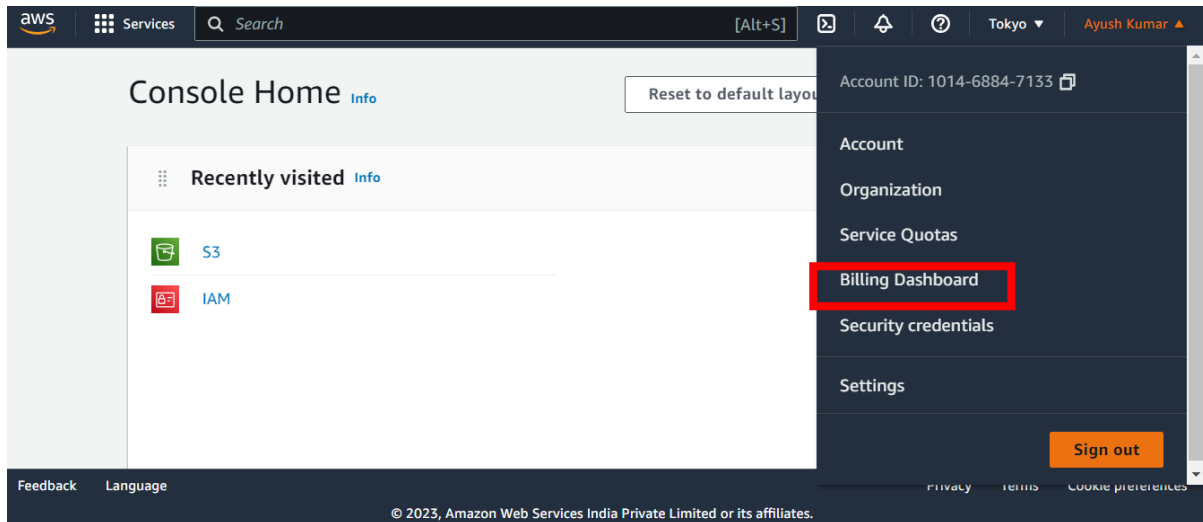
We are activating your account, which should only take a few minutes. You will receive an email when this is complete.

[Go to the AWS Management Console](#)

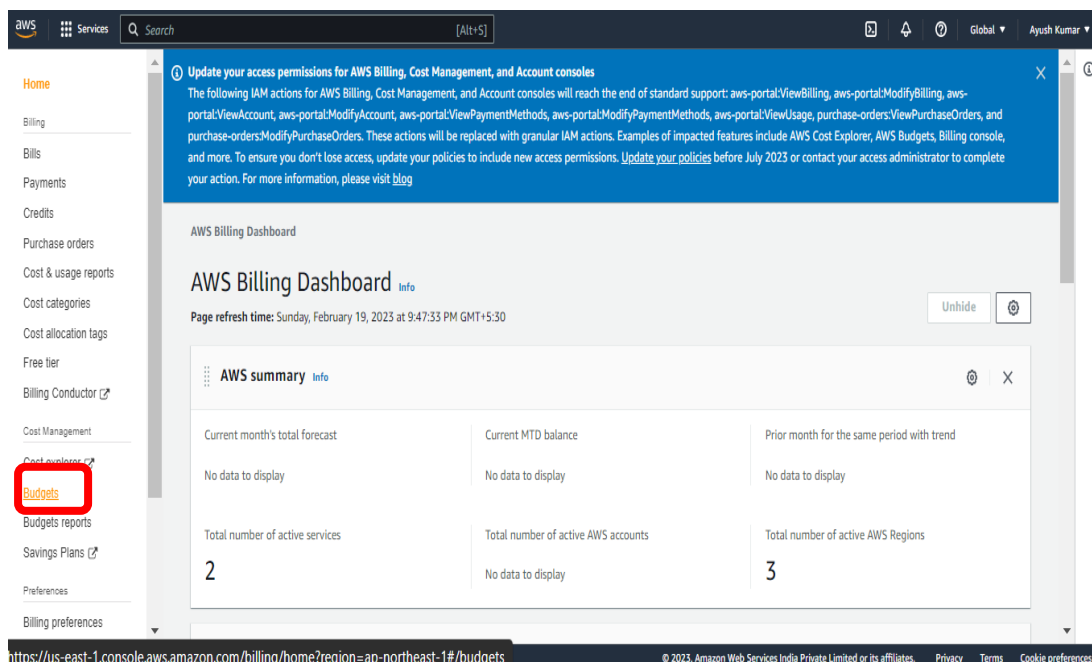
[Sign up for another account or contact sales.](#)

We will create a Budget which will notify if the forecasted amount exceeds the budget.

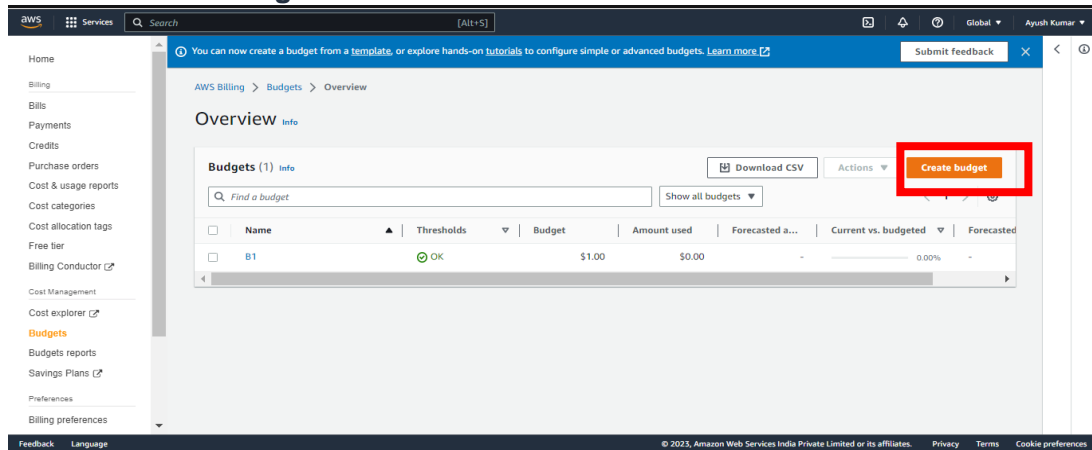
1. Log into the console via SSO and open the **Billing console**. This can be achieved by using the **search bar** or by selecting **My Billing Dashboard** from your account dropdown menu.



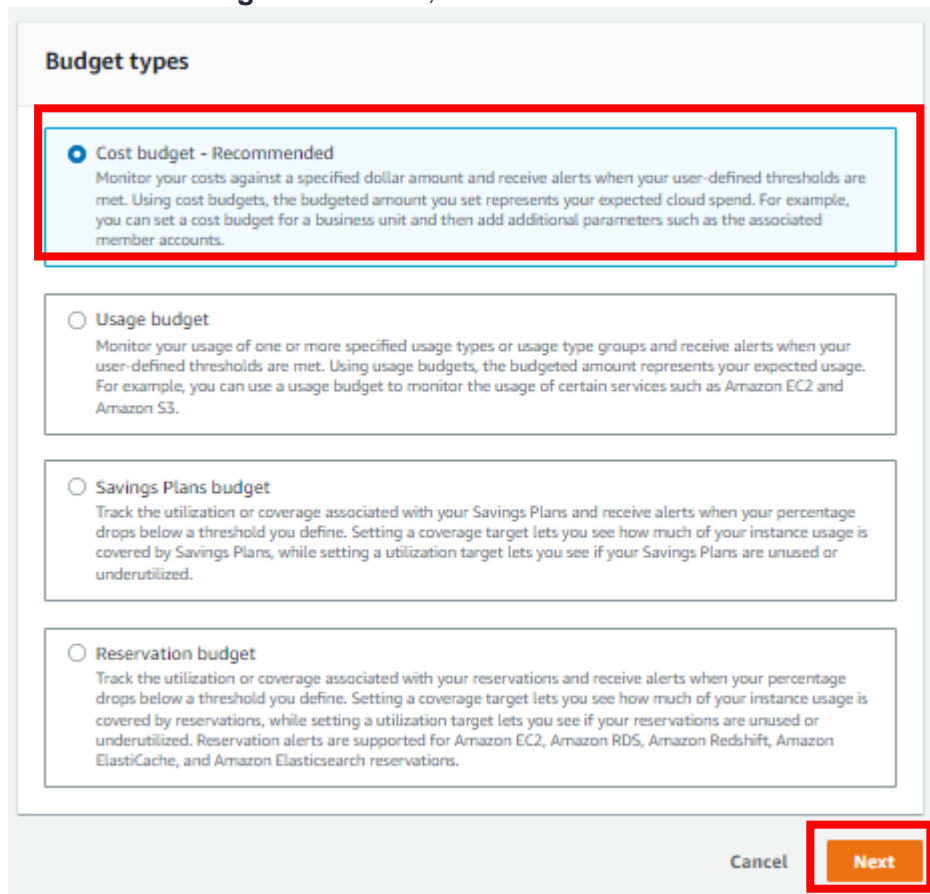
2. Select **Budgets** from the left hand menu.



3. Click on **Create budget**.



4. Ensure **Cost budget** is selected, and click on **Next**.



5. To create a cost budget, enter the following details:

- **Period:** Monthly
- **Budget effective date:** Recurring Budget
- **Start month:** (select current month)
- **Choose how to budget:** Fixed

- **Budgeted amount:** 1.00 (enter a dollar amount a lot LESS than last months cost)
- **Name:** CostBudget1
- Other fields: leave as defaults:

Once you have entered all the details select **Next**:

Details

Budget name

Provide a descriptive name for this budget.

Names must be between 1-100 characters.

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

Feb2023

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

Budget scope [Info](#)

Add filtering and use advanced options to narrow the set of cost information tracked as part of this budget

Scope options

☒ All AWS services (Recommended)

Track any cost incurred from any service for this account as part of the budget scope

☐ Filter specific AWS cost dimensions

Select specific dimensions to budget against. For example, you can select the specific service "EC2" to budget against.

▼ Advanced options

Aggregate costs by

Unblended costs

Supported charge types

Upfront reservation fees X

Recurring reservation charges X

Other subscription costs X

Taxes X

Support charges X

Discounts X

Cancel

Previous

Next

6. To create an alert for our budget select **Add an alert threshold**:

Configure alerts Info

▼ **How budget alerts work**

Why create budget alerts?
In order to be notified on the state of your budget, you can create up to 5 different alerts based on your budgeted amount. For example, create an alert to notify you when you have reached 75% of your budgeted amount.

How to get started?
Start by defining alert thresholds, then specify alert recipients and how you would like them to be notified. Alerts can be sent via email, AWS SNS, and AWS Chatbot.

Budget amount

Your budgeted amount: **\$1.00**
To change your budgeted amount, go back to step 2.

No alert thresholds created.

Add an alert threshold

Cancel Previous **Next**

7. For Alert 1 select:

- **Threshold:** 100% of budgeted amount
- **Trigger:** Forecasted
- **Notification preferences:** Input your email address in the **Email recipients** field
- Click on **Next**:

▼ **Alert #1** Remove

Set alert threshold

Threshold
When should this alert be triggered?

100 % of budgeted amount

Trigger
How should this alert be triggered?

Forecasted

Summary: When your forecasted cost is greater than 100.00% (\$1.00) of your budgeted amount (\$1.00), the alert threshold will be exceeded.

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.

jhaayushmarch@gmail.com

Maximum number of email recipients is 10.

► Amazon SNS Alerts - *Optional Info*
► AWS Chatbot Alerts


+ Add alert threshold

Cancel Previous **Next**


8. Here you can attach actions that can be taken when you budget exceeds its threshold.

Attach actions - *Optional* Info

▼ Using budgets actions



What is a budget action?
A budget action allows you to define and trigger cost saving responses to reinforce a cost-conscious culture. You have the option to attach actions that run whenever your alert threshold has been exceeded, such as stopping an EC2 instance from incurring any further costs. You can select the alerts to which you would like to attach actions, then define these actions.



How to get started?
To create a budget action, you will first need an alert threshold created from step 2. If you have already created an alert threshold select the type of action you want.

▼ Alert #1 (0 actions attached)

| | |
|--|---|
| Threshold 100% | Email recipients jhaayushmarch@gmail.com |
| Threshold measured against Forecasted Costs | Amazon SNS Not configured |

Add action

Cancel

Previous

Next

9. Review the configuration, and click **Create budget**:

Review Info

Step 1: Choose budget type Edit

Budget type
Cost budget
Monitor your costs against a specified dollar amount and receive alerts when your user-defined thresholds are met.

Step 2: Set up your budget Edit

Budget details

| | | |
|---------------------|------------------------|-------------------------|
| Name CostBudget1 | Start date Feb 2025 | Budget amount \$1.00 |
| Period Monthly | End date - | |

► Additional budget parameters

Step 3: Configure alerts Edit

Alerts
Alert #1
Threshold
100% of budgeted amount
Threshold measured against
Forecasted costs

Step 4: Attach actions - optional Edit

Actions
You have no budgets actions

Cancel

Previous

Create budget

10. You should see the current forecast will exceed the budget (you may need to refresh your browser).

✔ Your budget CostBudget1 has been created successfully.

Submit feedback

✕

AWS Billing > Budgets > Overview

Overview [Info](#)

Budgets (2) [Info](#)

Download CSV

Actions ▾

Create budget

Find a budget

Show all budgets ▾

< 1 > ⚙

| <input type="checkbox"/> | Name | ▲ | Thresholds | ▼ | Budget | Amount used |
|--------------------------|-------------|---|------------|---|--------|-------------|
| <input type="checkbox"/> | B1 | | ✔ OK | | | \$1.00 |
| <input type="checkbox"/> | CostBudget1 | | ✔ OK | | | \$1.00 |