Assignment – 1

Problem Statement: -

Create an account in AWS and configure a budget.
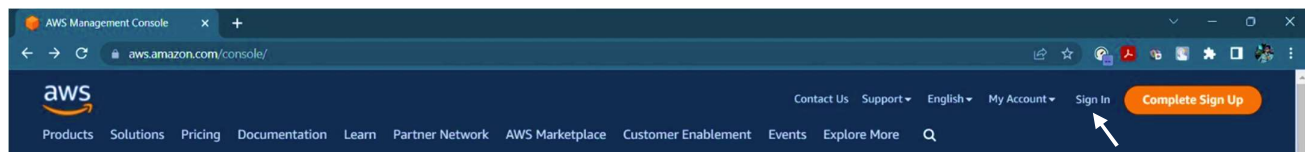
Steps for create an account in AWS: -

1. Open the **Amazon Web Services (https://aws.amazon.com/console/)** home page.
2. Go **Sign In** option.
3. Choose **Create an AWS Account**.
4. Enter **Root user email address** and **AWS account name**.
5. Verify your email address (get verification code in your mentioned email address).
6. Create **Root user password** and re-enter that password for confirmation.
7. Add your contact information
   a. Select **Business** or **Personal**.
   b. Enter your Business or Personal information.
8. Read and accept the **AWS Customer Agreement**.
9. Add a payment method on the **Billing information** page, enter the information about your payment method, and then choose **Verify and Continue**.
10. Optional, you can add **PAN** information now or later.
11. Make Payment (get OTP in your register mobile no. with Credit or Debit card).
12. Verify your mobile no. on **Confirm your identity** page, select a contact method to receive a verification code.
13. Select your mobile no. **Country or region code** from the list.
14. Enter a mobile no. where you can be reached in the next few minutes.
15. If presented with a CAPTCHA, enter the displayed code, and then submit.
16. Click on **Send SMS**.
17. Enter the **PIN** you receive, and then choose **Continue**.
18. **Wait for account activation**
    After you choose a **Support plan**, a confirmation page indicates that your account is being activated. Accounts are usually activated within a few minutes, but the process might take up to 24 hours.

    You can sign in to your AWS account during this time. The AWS home page might display a **Complete Sign Up** button during this time, even if you've completed all the steps in the sign-up process.

    When your account is fully activated, you receive a confirmation email. Check your email and spam folder for the confirmation email. After you receive this email, you have full access to all AWS services.

Some snapshots of create an account in AWS: -

Step 1: Go *AWS Web Services* home page and click on *Sign In* option

Step 2: Click on *Create a new AWS account*

Step 3: Verify email address

Step 4: Create & Confirm root user password

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

ABC XYZ

Phone Number

🇮🇳 +91 ▼

Country or Region

India ▼

Address

1/1 K ROAD BELGACHIA HOWRAH

Apartment, suite, unit, building, floor, etc.

City

HOWRAH

State, Province, or Region

WEST BENGAL

Postal Code

711105

Customers with an Indian contact address are served by Amazon Web Services India Private Limited, the local seller for AWS services in India.
☑ I have read and agree to the terms of the AWS Customer Agreement ☑.

Continue (step 2 of 5)

Step 5: Put your Contact Information

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

▼ ▼

Cardholder's name

ANIKET BERA

CVV

•••

Billing address
- ● Use my contact address
  1/1 K ROAD BELGACHIA HOWRAH
  HOWRAH WEST BENGAL 711105
  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.

Verify and Continue (step 3 of 5)

You might be redirected to your bank's website to authorize the verification charge.

Step 6: Put your Billing Information

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

pdrbm7

Type the characters as shown above

pdrbm7

Send SMS (step 4 of 5)

Step 7: Put your Billing Information

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.

● Basic support - Free	○ Developer support - From $29/month	○ Business support - From $100/month
• Recommended for new users just getting started with AWS	• Recommended for developers experimenting with AWS	• Recommended for running production workloads on AWS
• 24x7 self-service access to AWS resources	• Email access to AWS Support during business hours	• 24x7 tech support via email, phone, and chat
• For account and billing issues only	• 12 (business)-hour response times	• 1-hour response times
• Access to Personal Health Dashboard & Trusted Advisor		• Full 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

Step 8: *Select a support plan* & *Complete sign up*

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aws

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.
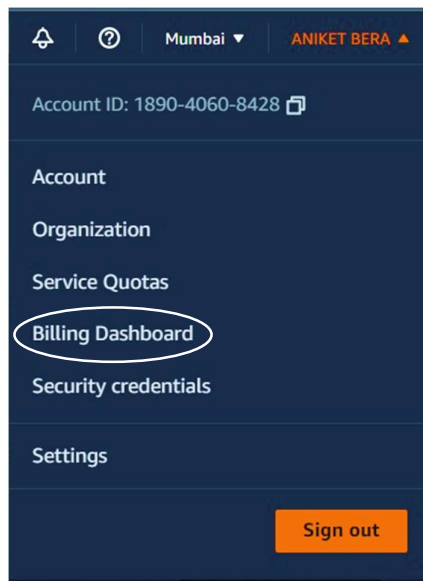
Go to the AWS Management Console

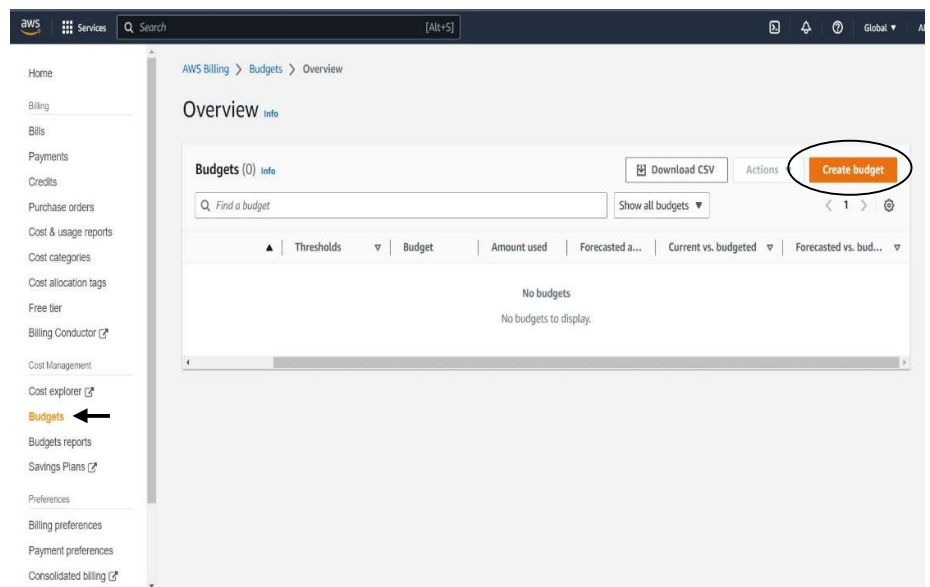Sign up for another account or contact sales.

Your AWS account created

Steps for configure a budget in AWS: -

1. Open the **Amazon Web Services (https://aws.amazon.com/console/)** home page.
2. Log in your **AWS Management Console** account.
3. Click on your **Username** (*top right corner on home page*).
4. Go **Billing Dashboard**.
5. Go **Budgets** option (*after open AWS Billing Dashboard you can see left side of page*).
6. Click on **Create budget**.
7. In **Choose budget type info** page you can choose **Use a template (simplified)** or **Customize (advanced)** in **Budget setup** and in **Budget types** you can choose **Cost budget – Recommended** or other options.
8. In **Set your budget info** page put a **Budget name**, choose **Period**, select **Budget renewal type**, set **Starting month**, choose **Budgeting method**, **enter your budgeted amount ($)**, select **Budget scope** and you can add various filter etc and continue with **Next**.
9. In **Configure alerts info** page **Set alert threshold** and put a valid **Email recipient** for **Notification preferences**.
10. **Review** your budget details and click on **Create budget**.
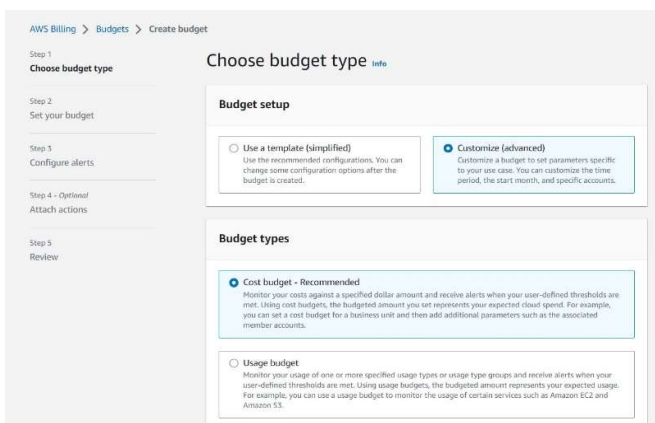11. Complete your budget creation.
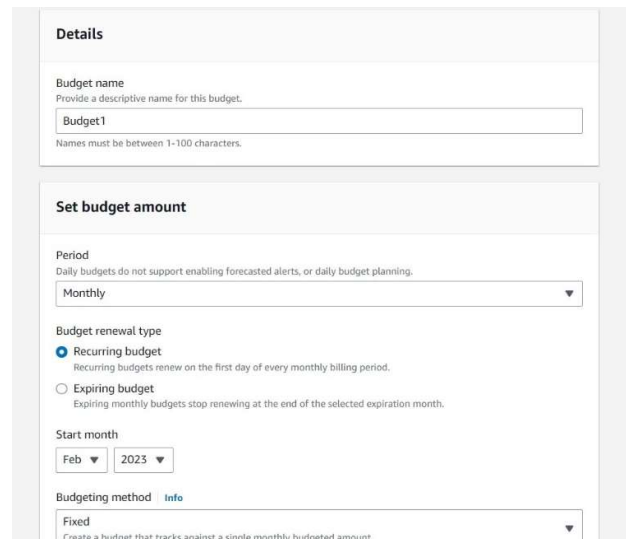
Some snapshots of configure a budget in AWS: -

Step 1: Go *Billing Dashboard*

Step 2: Go *Budgets* & click on *Create Budget*

Step 3: Choose budget type

Step 4: Put budget details

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

1.00

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 ✕ | Recurring reservation charges ✕ | Other subscription costs ✕

Taxes ✕ | Support charges ✕ | Discounts ✕

Cancel | Previous | Next

Step 5: Set budget amount

▼ Alert #1 | Remove

Set alert threshold

Threshold
When should this alert be triggered?

50 | % of budgeted amount ▼

Trigger
How should this alert be triggered?

Actual ▼

Summary: When your actual cost is greater than **50.00% ($0.50)** 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.

aniketbera.ab@gmail.com

Maximum number of email recipients is 10.

▶ Amazon SNS Alerts - *Optional* Info

▶ AWS Chatbot Alerts

➕ Add alert threshold

Cancel | Previous | Next

Step 6: Set budget threshold

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	Start date	Budget amount
Budget1	Feb 2023	$1.00
Period	End date	
Monthly	-	

▶ Additional budget parameters

Step 3: Configure alerts | Edit

Alerts

Alert #1

Threshold
50% of budgeted amount

Threshold measured against
Actual costs

Step 4: Attach actions - optional | Edit

Actions

You have no budgets actions

Cancel | Previous | Create budget

Step 7: Review & Create budget

Overview Info

Budgets (1) Info | 🔽 Download CSV | Actions ▼ | Create budget

🔍 Find a budget

Show all budgets ▼ | < 1 > | ⚙

	Name	▲	Thresholds	▽	Budget	Amount used	Forecasted a...	Current vs. budgeted	▽	Forec
☐	Budget1		⊘ OK		$1.00	$0.00	-		0.00%	-

Complete Budget creation