Assignment No: 1

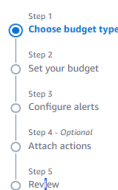**Problem Statement**: Create an account in AWS and configure a budget.

Solution Process: Create an AWS Free Tier account by visiting their signup page,providing your email,password,and contact details.Enter your credit/debit card information and PAN card details if applicable.Verify your phone number,choose a support plan,and complete the registration.You'll have to access to AWS Free Tier services for 12 months.

1.At first go to the Billing and Cost Management.

2.Click on the budget option and create budget.

3.Then the go through the following steps......

4.Choose Budget type....

1.Set my budget……

Step 1
Choose budget type

Step 2
Set your budget

Step 3
Configure alerts

Step 4 - *Optional*
Attach actions

Step 5
Review

Set your budget   Info

▼ **How to set up your budget**

Step 1: Enter your budget details

Define the budget name.

Step 2: Set budget amount

Select the period and whether you would like to have a fixed budget or to specify a budget plan, then enter your budget amount.

Step 3: Scope your budget - *optional*

Add dimensions of data to narrow on a set of cost information. For example, you could select a number of AWS services to track as part of this budget.

Details

Budget name
Provide a descriptive name for this budget.

```
AD 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.

Budget preview   ⚙ >

Cost Data
Jan 2024 – Jan 2025 (MTD) | Unblended costs

Jan 2024   Apr 2024   Jul 2024   Oct 2024

■ Actual cost

[View in AWS Cost Explorer ⧉]

Alerts

No alerts configured.

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

Start month

```
Jan ▼    2025 ▼
```

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
```

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 ✕]
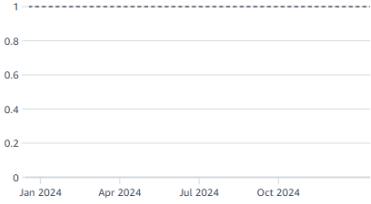
[Support charges ✕] [Discounts ✕]

Cost Data
Jan 2024 – Jan 2025 (MTD) | Unblended costs

1 --

0.8

0.6

0.4

0.2

0

Jan 2024   Apr 2024   Jul 2024   Oct 2024

■ Actual cost   -- Budget

[View in AWS Cost Explorer ⧉]

Alerts

No alerts configured.

2.Then create the action Threshold….

Budget amount

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

▼ Alert #1   [Remove]

Set alert threshold

Threshold
When should this alert be triggered?

Trigger
How should this alert be triggered?

| 50 | % of budgeted amount ▼ | 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.

duttaarchak27@gmail.com

Maximum number of email recipients is 10.

▶ **Amazon SNS Alerts – *Optional* Info**

▶ **AWS Chatbot Alerts**

[+ Add alert threshold]

Cost Data
Jan 2024 – Jan 2025 (MTD) | Unblended costs

1
0.8
0.6
0.4
0.2
0
Jan 2024   Apr 2024   Jul 2024   Oct 2024

■ Actual cost   ▪▪ Budget   ▪▪ Alert #1 (actual)

[View in AWS Cost Explorer ⧉]

Alerts

▶ **Actual cost > 50% | No actions**

Step 1
Choose budget type

Step 2
Set your budget

Step 3
Configure alerts

Step 4 - Optional
Attach actions

Step 5
Review

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	Email recipients
50%	duttaarchak27@gmail.com
Threshold measured against	Amazon SNS
Actual Costs	Not configured

[Add action]

Cost Data
Jan 2024 – Jan 2025 (MTD) | Unblended costs

1
0.8
0.6
0.4
0.2
Jan 2024   Apr 2024   Jul 2024   Oct 2024

■ Actual cost   ▪▪ Budget   ▪▪ Alert #1 (actual)

[View in AWS Cost Explorer ⧉]

Alerts

▶ **Actual cost > 50% | No actions**

[Cancel] [Previous] [Next]

7.Finally the budget is created.

✓ Your budget **AD budget** has been created successfully.

Submit feedback ✕

Budgets (1) Info

Download CSV   Actions ▾   **Create budget**

🔍 Find a budget

Type - Show all budgets ▾

‹ **1** › ⚙

	Name ▲	Thresholds ▽	Budget	Amount used	Forecasted amount	Current vs. budgeted ▽	Forecasted vs. budgeted ▽
☐	AD budget	✓ OK	$1.00	$0.00	-	0.00%	-