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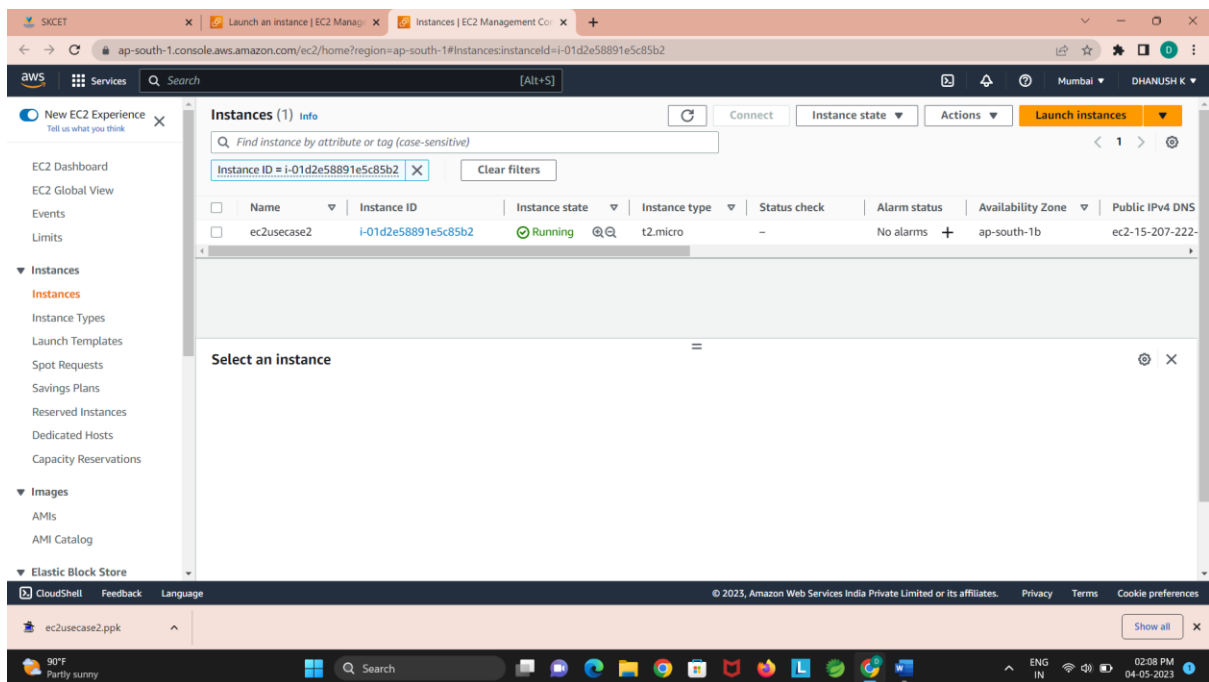
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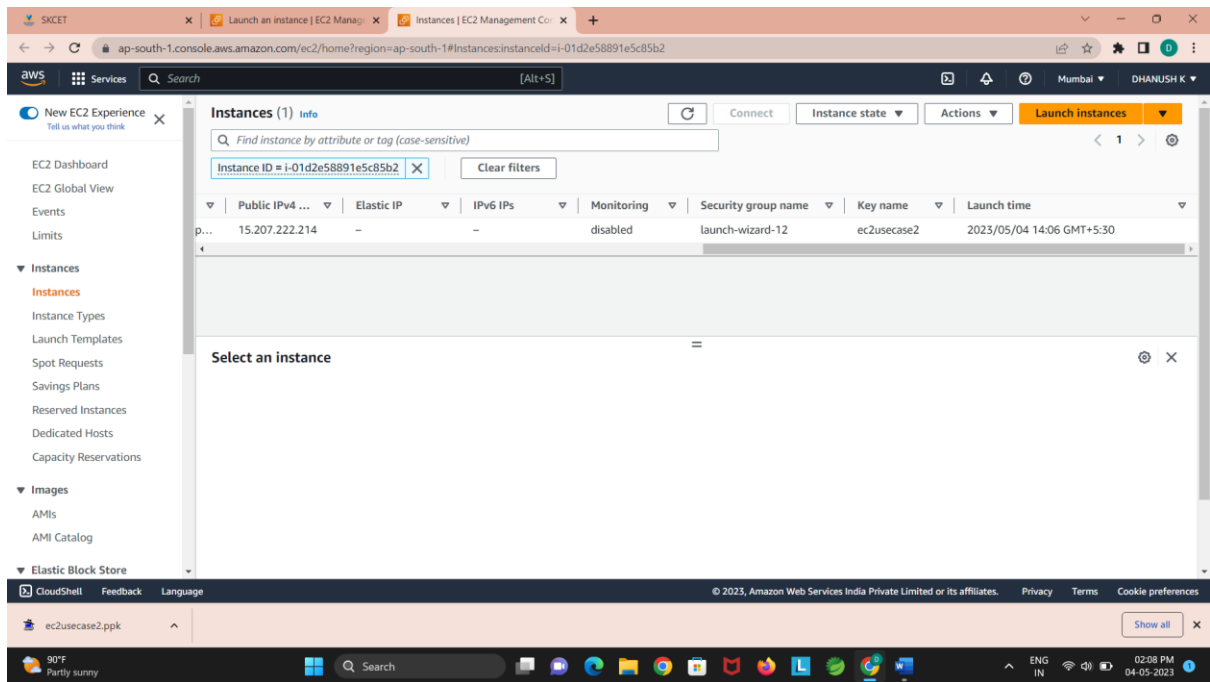
IT-A

Question :1

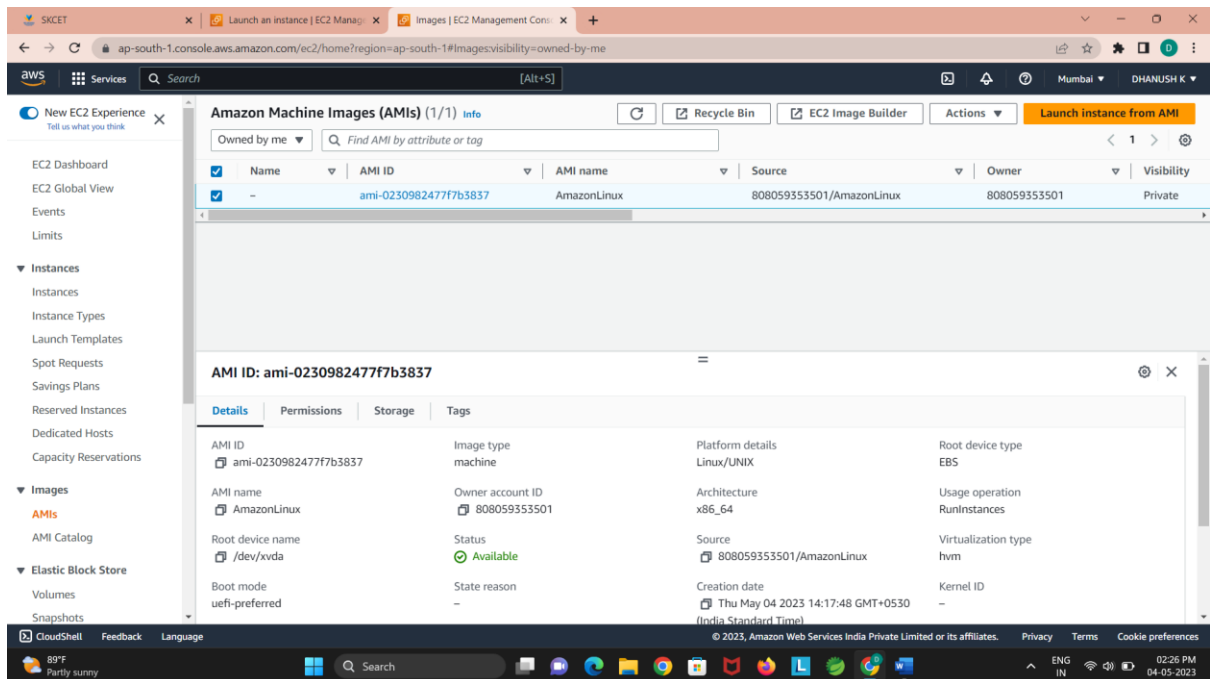
Create an EC2 instance with the following requirements.

Give the Name tag of both server & keypair as "ec2usecase2"(Name).

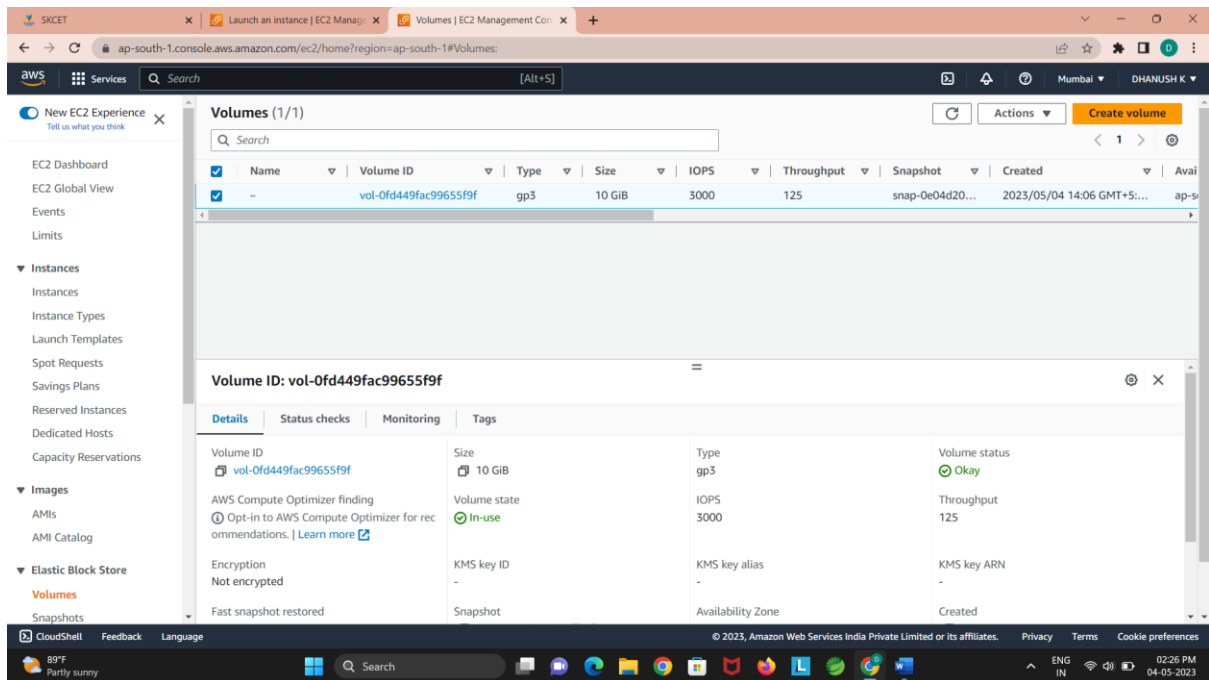




Select the AMI from the Amazon Linux OS Platform.



Increase the root EBS volume size to 10 GB from the default size.



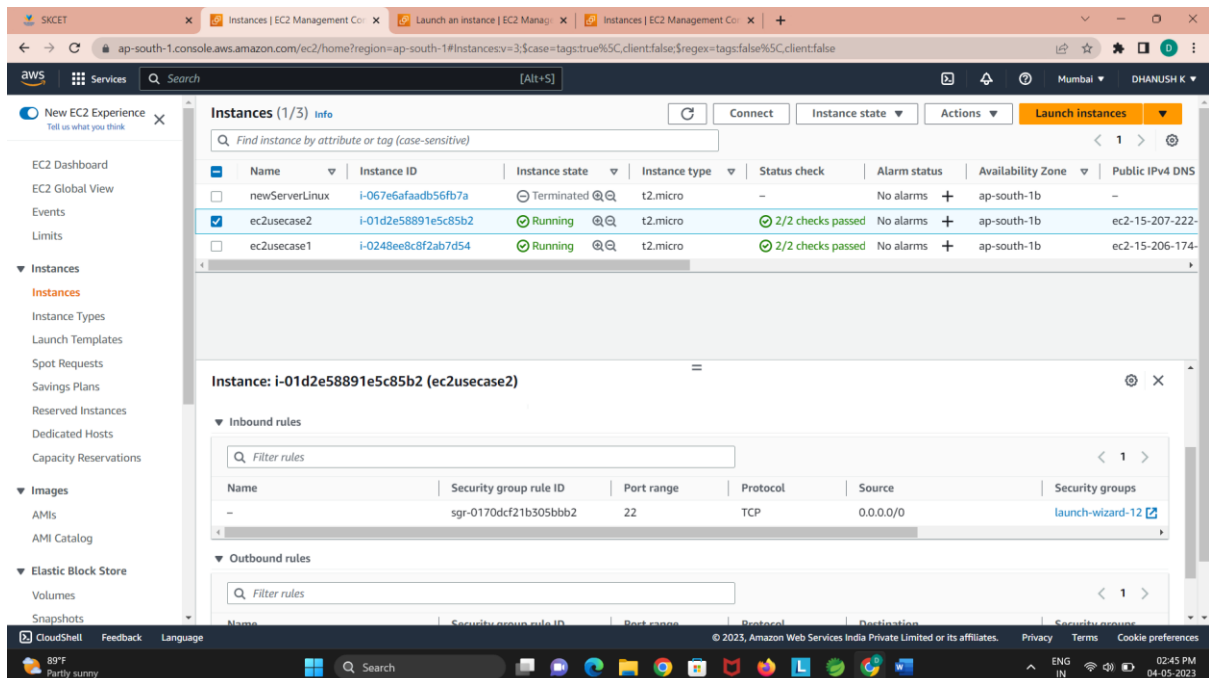
The screenshot shows the AWS Management Console interface for EBS Volumes. The left sidebar contains navigation options like EC2 Dashboard, EC2 Global View, Events, Limits, Instances, Images, Elastic Block Store, and Snapshots. The main content area displays a table of Volumes (1/1). The selected volume is 'vol-0fd449fac99655f9f' with a size of 10 GiB, type gp3, and status OK. Below the table, the details for this volume are shown, including its ID, size, type, and status.

Name	Volume ID	Type	Size	IOPS	Throughput	Snapshot	Created	Availability Zone
-	vol-0fd449fac99655f9f	gp3	10 GiB	3000	125	snap-0e04d20...	2023/05/04 14:06 GMT+5:...	ap-south-1b

Volume ID: vol-0fd449fac99655f9f

Details	Status checks	Monitoring	Tags
Volume ID vol-0fd449fac99655f9f AWS Compute Optimizer finding Opt-in to AWS Compute Optimizer for recommendations. Learn more	Size 10 GiB Volume state In-use	Type gp3 IOPS 3000	Volume status OK Throughput 125 KMS key ARN -

Expose Port No.22 for taking putty remote connection.



The screenshot shows the AWS Management Console interface for EC2 Instances. The left sidebar contains navigation options like EC2 Dashboard, EC2 Global View, Events, Limits, Instances, Images, Elastic Block Store, and Snapshots. The main content area displays a table of Instances (1/3). The selected instance is 'ec2usecase2' with ID 'i-01d2e58891e5c85b2', state 'Running', and type 't2.micro'. Below the table, the details for this instance are shown, including its ID, state, type, and inbound rules.

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS
newServerLinux	i-067e6afaadb56fb7a	Terminated	t2.micro	-	No alarms	ap-south-1b	-
ec2usecase2	i-01d2e58891e5c85b2	Running	t2.micro	2/2 checks passed	No alarms	ap-south-1b	ec2-15-207-222-
ec2usecase1	i-0248ee8c8f2ab7d54	Running	t2.micro	2/2 checks passed	No alarms	ap-south-1b	ec2-15-206-174-

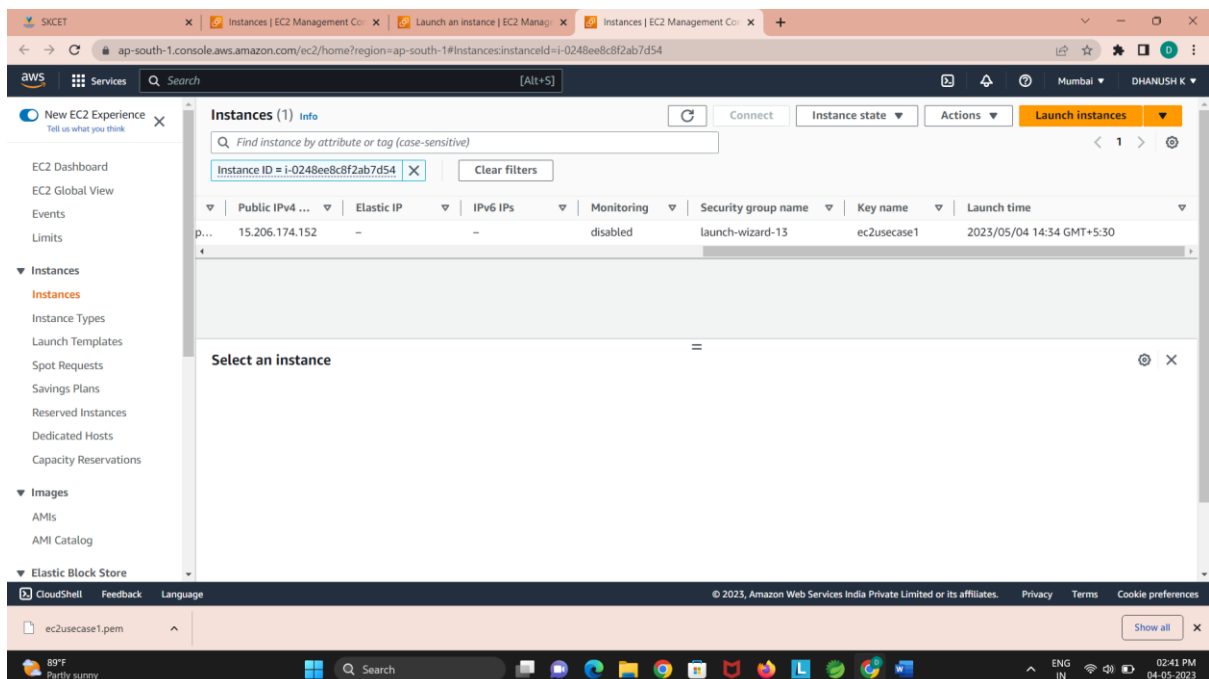
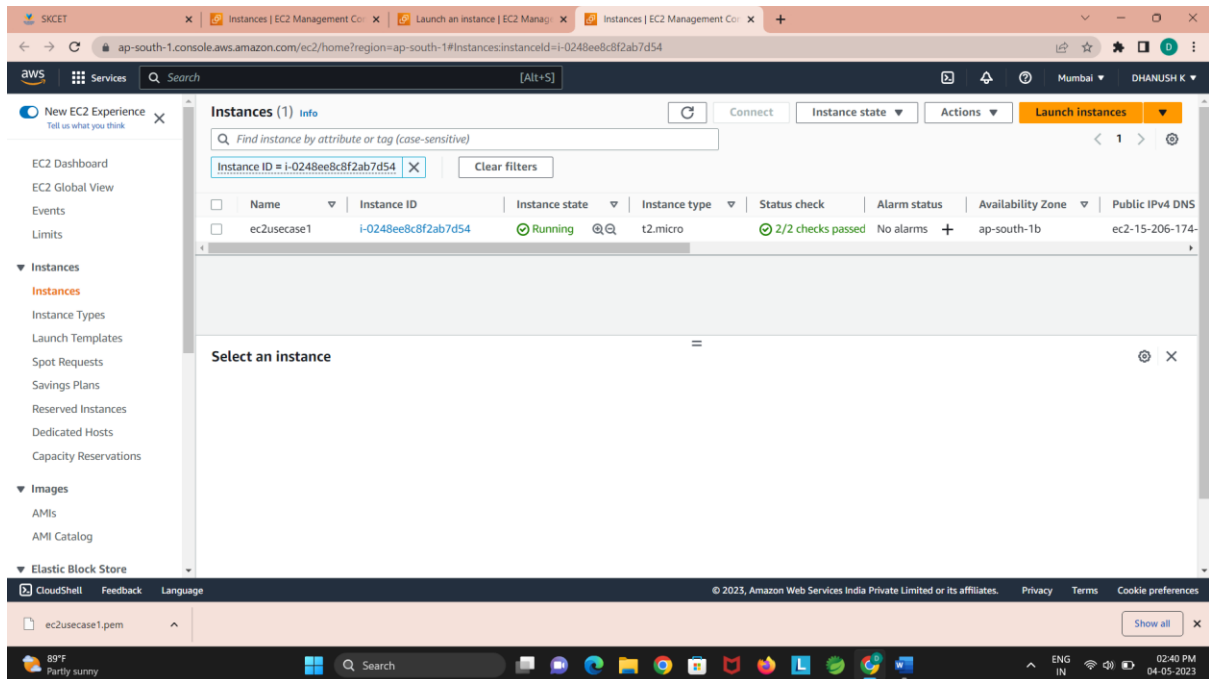
Instance: i-01d2e58891e5c85b2 (ec2usecase2)

Name	Security group rule ID	Port range	Protocol	Source	Security groups
-	sgr-0170dcf21b305bbb2	22	TCP	0.0.0.0/0	launch-wizard-12

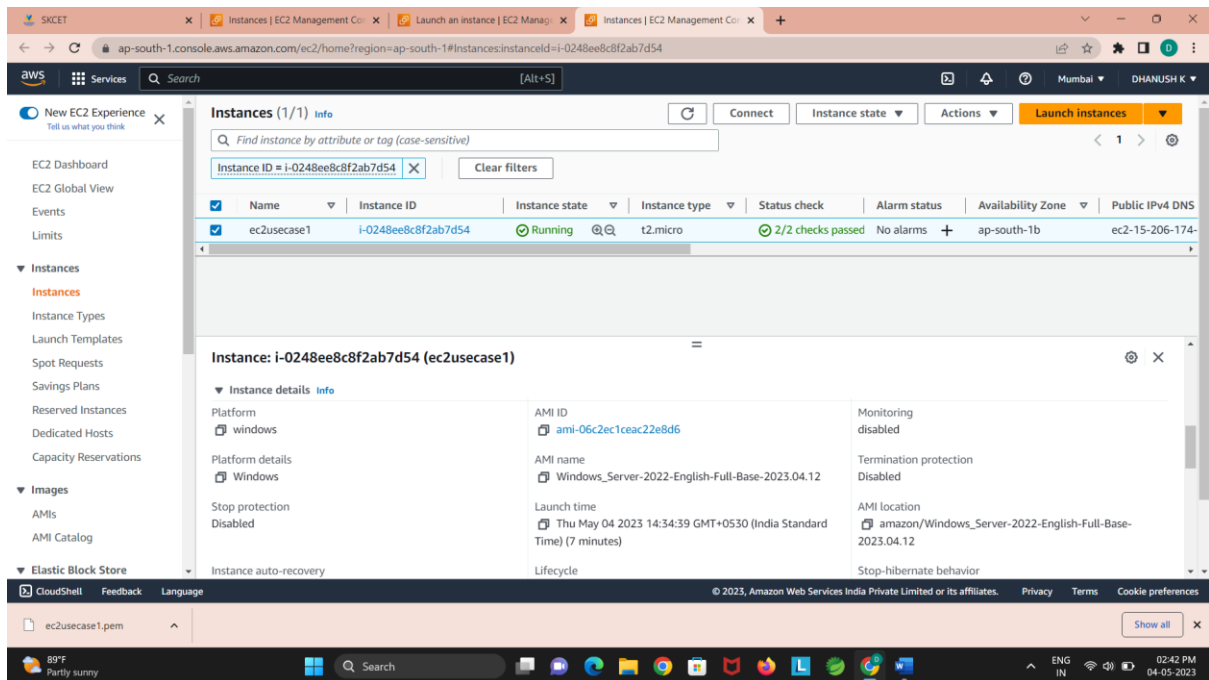
Question:2

Create an EC2 Instance in the given AWS account with the following requirements.

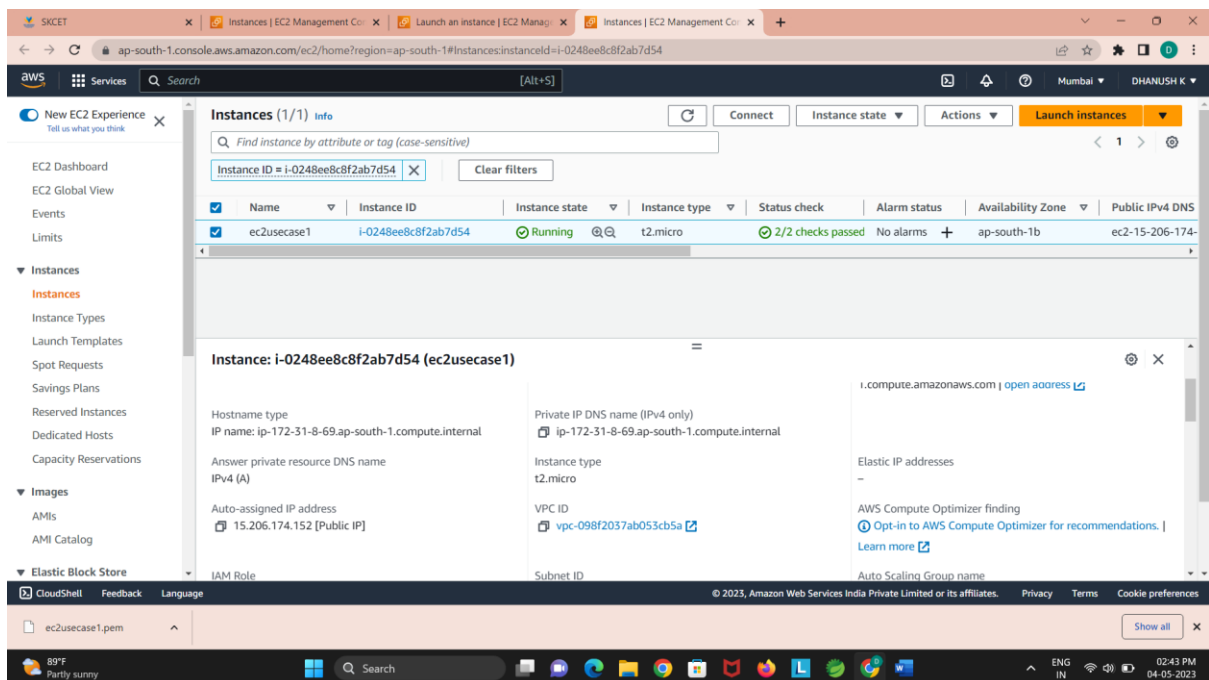
Give the Name tag of both server & keypair as "ec2usecase1"(Name).



Select the AMI from the Windows OS Platform.



Ensure that Auto-Assigned Public-IP must be enabled.



Expose Port No.3389 for taking the remote desktop connection.

The screenshot displays the AWS Management Console interface for an EC2 instance named 'ec2usecase1' with ID 'i-0248ee8c8f2ab7d54'. The instance is in a 'Running' state. The 'Inbound rules' section of the security group 'sg-03b4f675ae1878da2' is configured to allow TCP traffic on port 3389 from the source '0.0.0.0/0'. The console also shows the instance's details, including its type 't2.micro', status checks '2/2 checks passed', and availability zone 'ap-south-1b'. The left sidebar contains navigation options like 'EC2 Dashboard', 'Instances', 'Images', and 'Elastic Block Store'. The bottom of the screen shows a Windows taskbar with the date '04-05-2023' and time '02:44 PM'.

Instances (1/1) Info

Find instance by attribute or tag (case-sensitive)

Instance ID = i-0248ee8c8f2ab7d54

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS
ec2usecase1	i-0248ee8c8f2ab7d54	Running	t2.micro	2/2 checks passed	No alarms	ap-south-1b	ec2-15-206-174-

Instance: i-0248ee8c8f2ab7d54 (ec2usecase1)

sg-03b4f675ae1878da2 (launch-wizard-13)

Inbound rules

Name	Security group rule ID	Port range	Protocol	Source	Security groups
-	sgr-0ca34c91d96258e3f	3389	TCP	0.0.0.0/0	launch-wizard-13

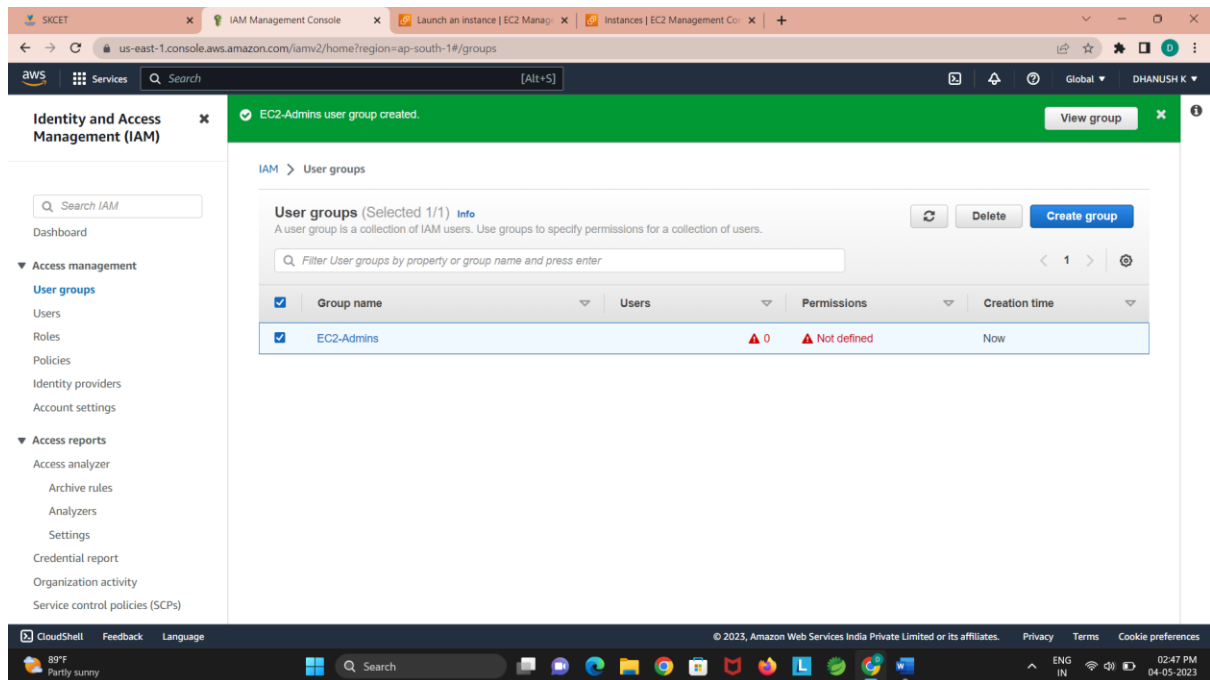
Outbound rules

Name	Security group rule ID	Port range	Protocol	Source	Security groups
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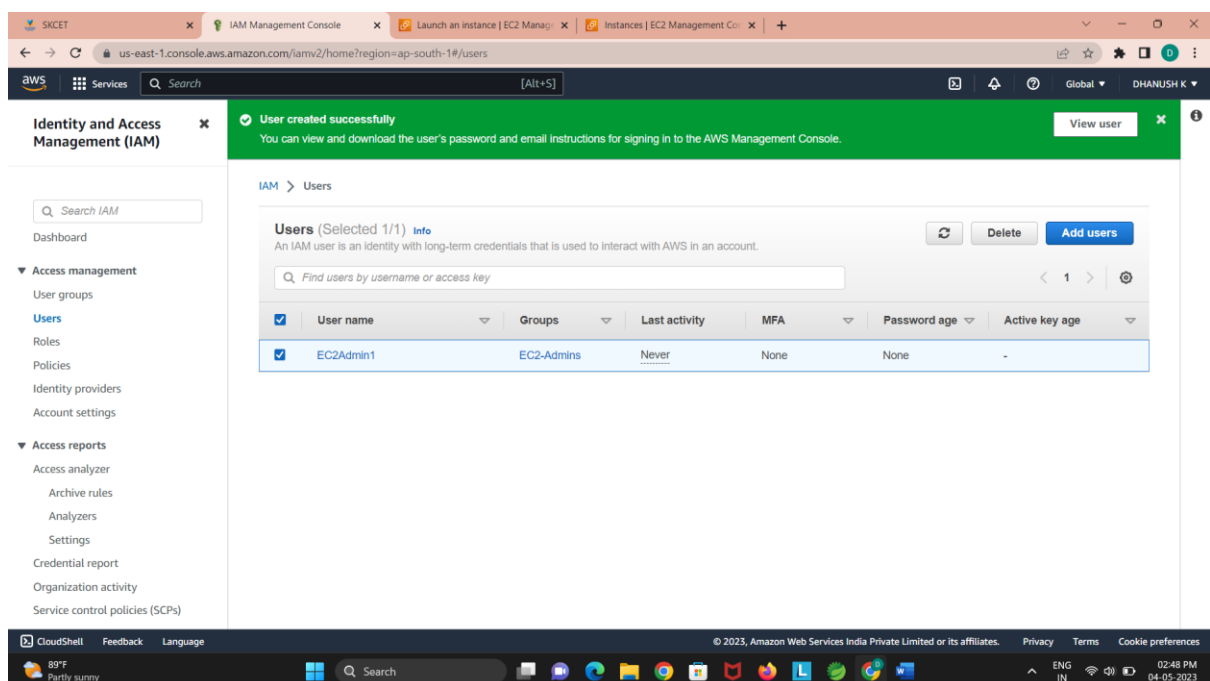
Question 3:

Create an IAM group called 'EC2-Admins' with 'AmazonEC2FullAccess' and 'AutoScalingFullAccess' policies, then add an IAM user called as 'EC2Admin1'.

The name of the IAM group should be 'EC2-Admins'.

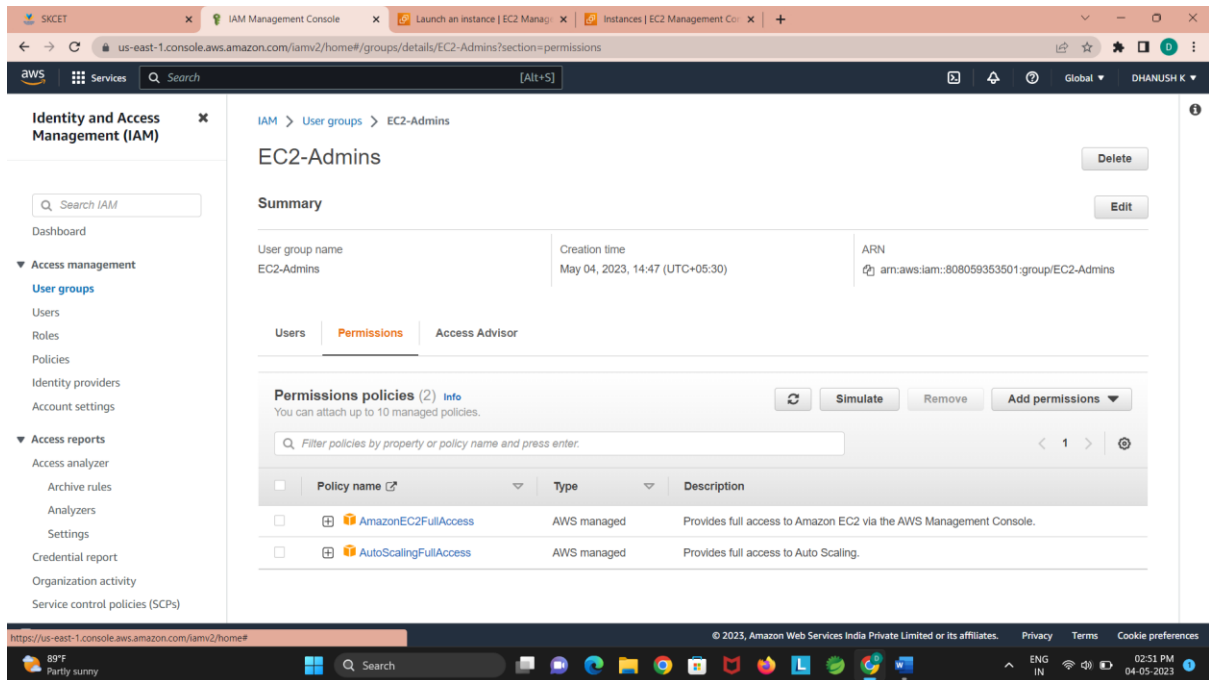


The name of the IAM user should be 'EC2Admin1'.



The 'AmazonEC2FullAccess' policy should be attached.

The 'AutoScalingFullAccess' policy should be attached.



The screenshot displays the AWS IAM console interface. The left-hand navigation pane shows the 'Identity and Access Management (IAM)' section, with 'Access management' expanded and 'User groups' selected. The main content area shows the 'EC2-Admins' user group details. The 'Permissions' tab is active, displaying a table of attached policies. The table lists two policies: 'AmazonEC2FullAccess' and 'AutoScalingFullAccess', both of which are AWS managed policies. The 'AmazonEC2FullAccess' policy provides full access to Amazon EC2 via the AWS Management Console, and the 'AutoScalingFullAccess' policy provides full access to Auto Scaling. The table has columns for 'Policy name', 'Type', and 'Description'. The 'Policy name' column includes a checkbox and a link to the policy details. The 'Type' column indicates the policy is 'AWS managed'. The 'Description' column provides a brief overview of the policy's scope. The table is currently showing 1 of 2 policies.

	Policy name	Type	Description
<input type="checkbox"/>	AmazonEC2FullAccess	AWS managed	Provides full access to Amazon EC2 via the AWS Management Console.
<input type="checkbox"/>	AutoScalingFullAccess	AWS managed	Provides full access to Auto Scaling.