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RAJASRI G

727721EUIT23

03-05-2023

Q1.

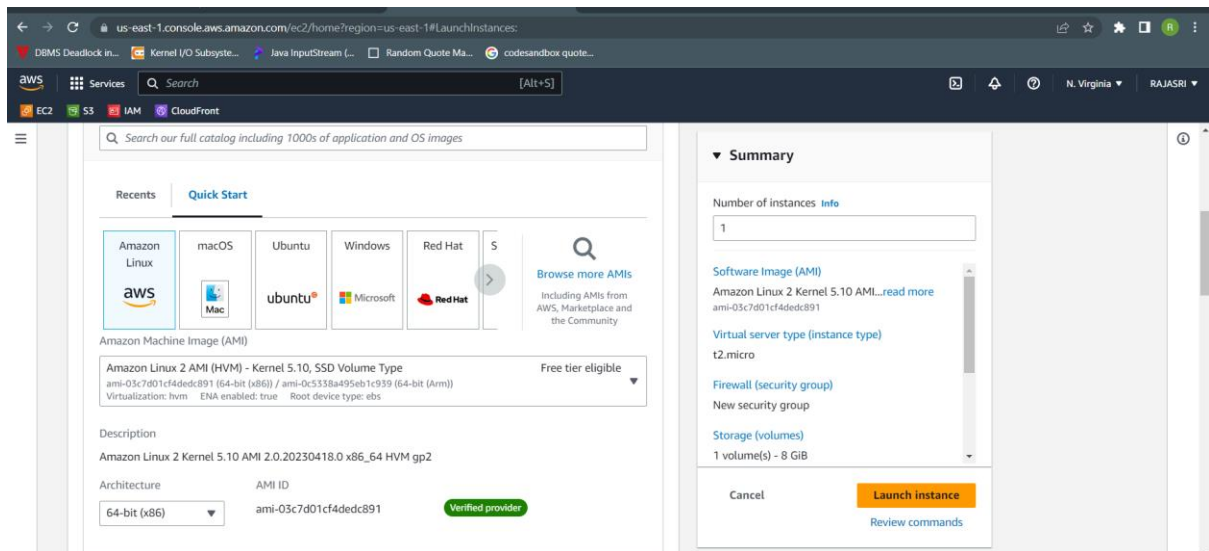
**Create an EC2 Instance in the us-east-1 region with the following requirements.**

Give the Name tag of both EC2 instance & keypair as "ec2usecase1"(Name).

The screenshot shows the AWS Management Console for the 'us-east-1' region. The 'Name and tags' section has the 'Name' field set to 'ec2usecase1'. The 'Application and OS Images (Amazon Machine Image)' section shows a search bar and a 'Quick Start' section with various OS options like Amazon Linux, macOS, Ubuntu, Windows, Red Hat, and SUSE. The 'Summary' section on the right shows 'Number of instances' as 1, 'Software Image (AMI)' as 'Amazon Linux 2 Kernel 5.10 AMI', 'Virtual server type (instance type)' as 't2.micro', 'Firewall (security group)' as 'New security group', and 'Storage (volumes)' as '1 volume(s) - 8 GiB'. The 'Launch instance' button is visible.

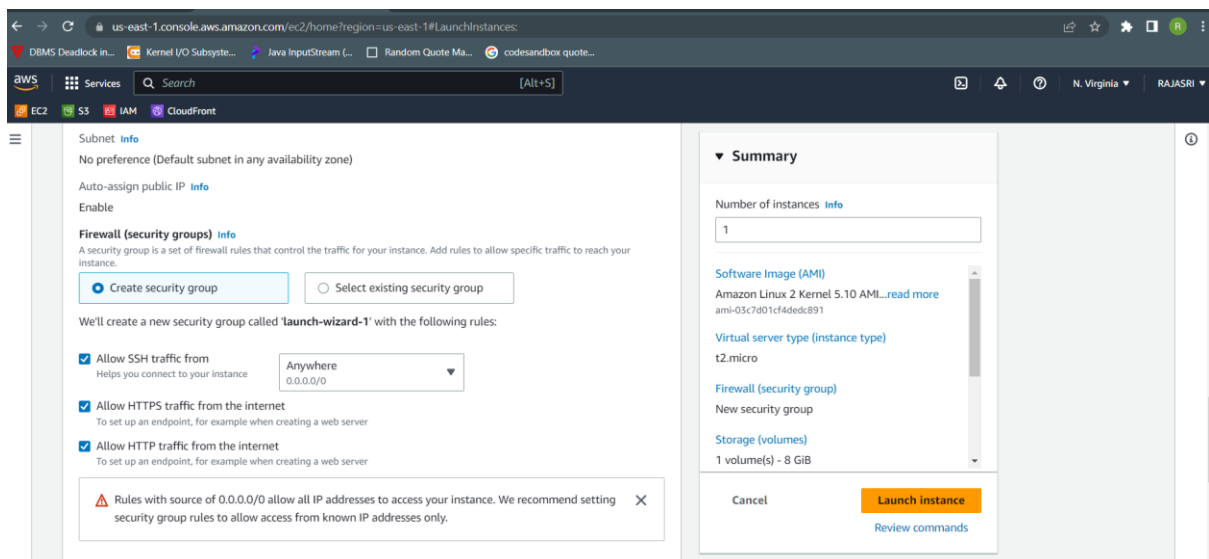
The screenshot shows the 'Instance type' section with 't2.micro' selected. The 'Key pair (login)' section shows a dropdown menu with 'ec2usecase1' selected. The 'Network settings' section is visible at the bottom. The 'Summary' section on the right is consistent with the previous screenshot, showing 'Number of instances' as 1, 'Software Image (AMI)' as 'Amazon Linux 2 Kernel 5.10 AMI', 'Virtual server type (instance type)' as 't2.micro', 'Firewall (security group)' as 'New security group', and 'Storage (volumes)' as '1 volume(s) - 8 GiB'. The 'Launch instance' button is visible.

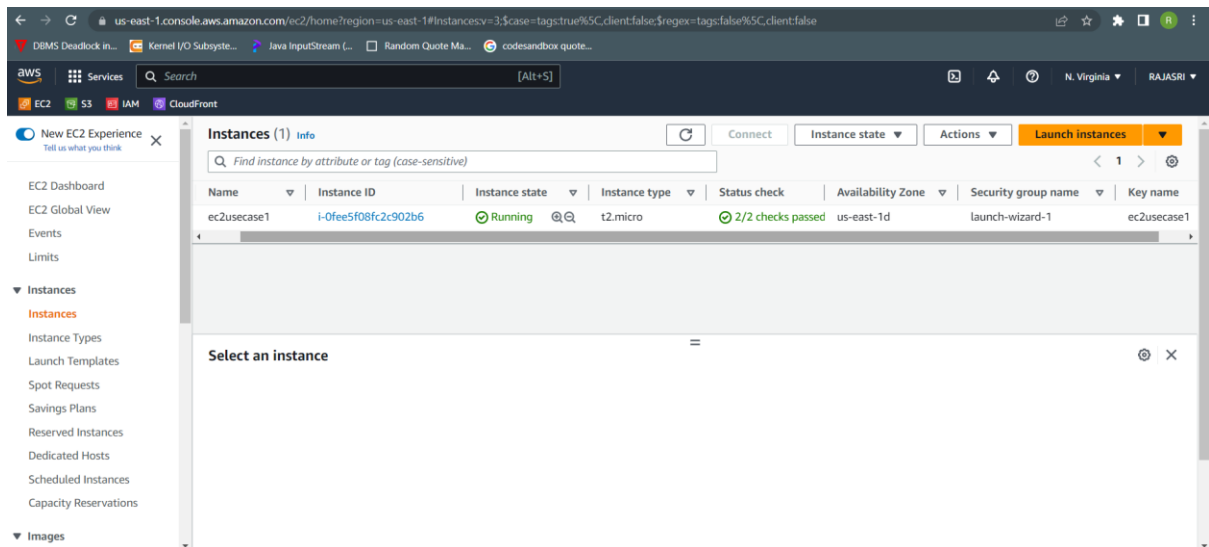
EC2 instance AMI should be "Amazon Linux 2".



Allow SSH traffic for taking putty remote connection.

Allow HTTP traffic from the internet for reaching website requests.

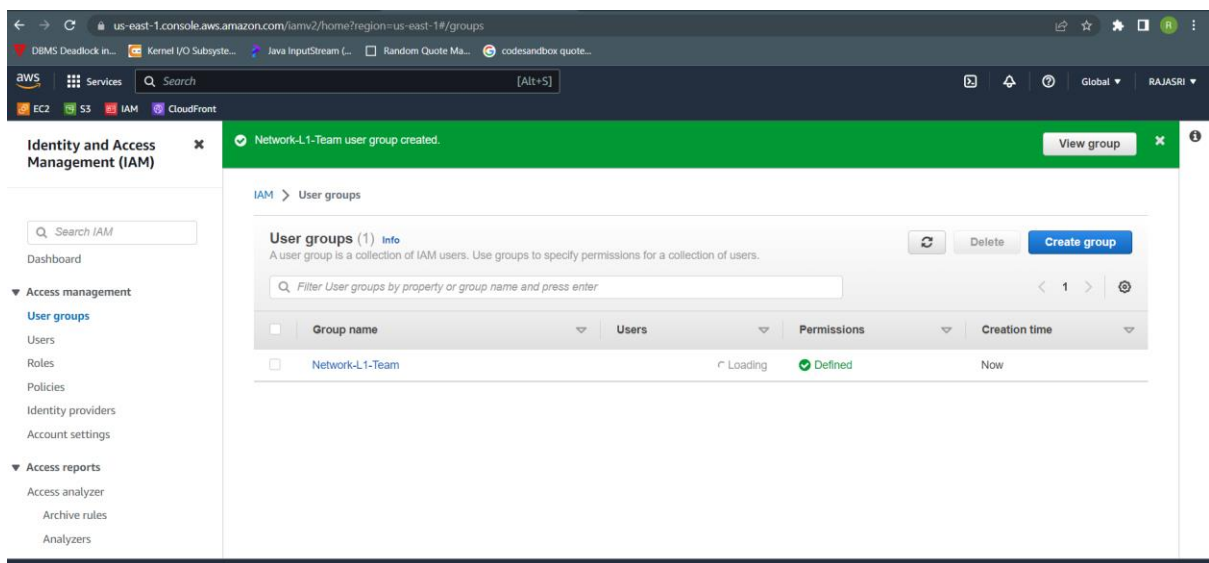




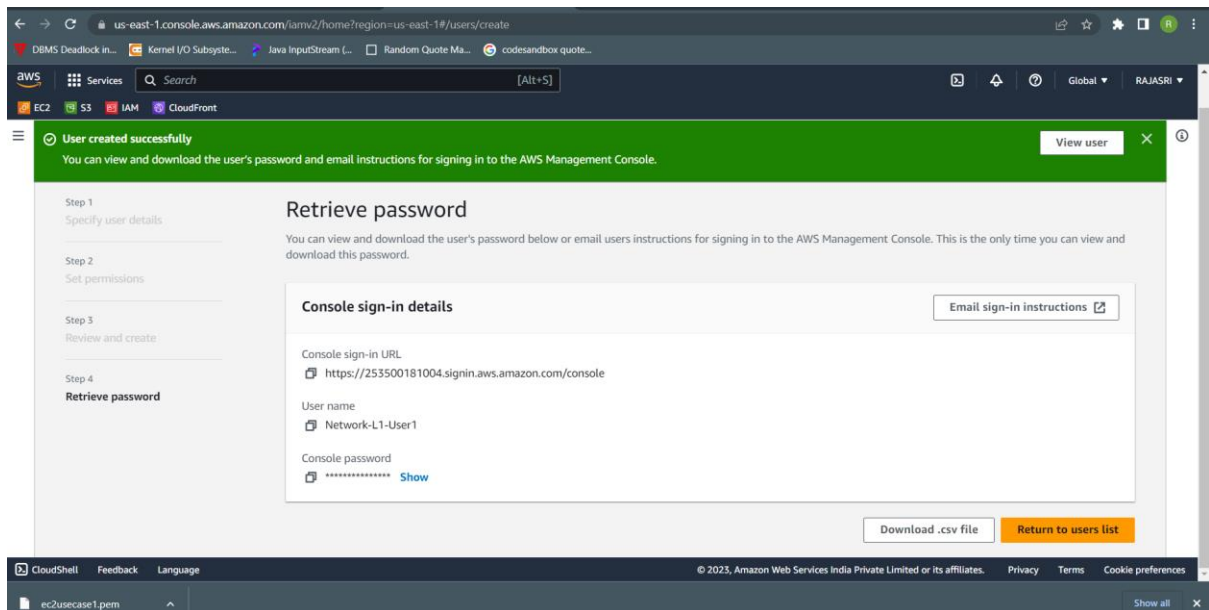
Q2.

**Create an IAM group called 'Network-L1-Team' with 'AmazonVPCReadOnlyAccess' and 'AWSNetworkManagerReadOnlyAccess' policies, then add an IAM user called 'Network-L1-User1' to the group.**

The name of the IAM group should be 'Network-L1-Team'.

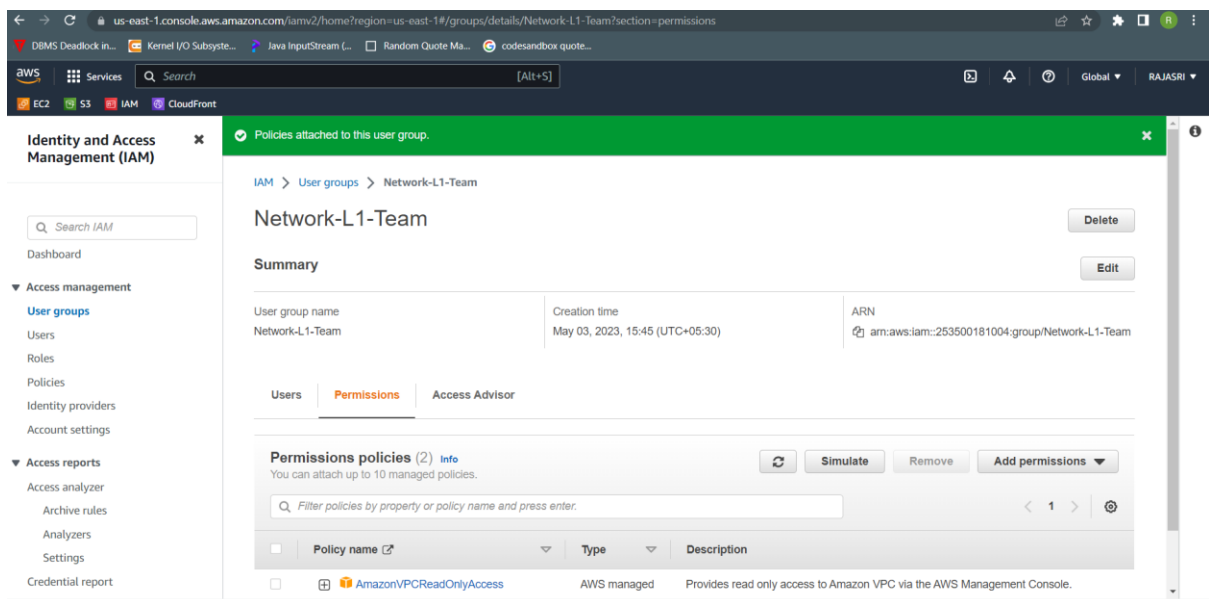


The name of the IAM user should be 'Network-L1-User1'.



The 'AmazonVPCReadOnlyAccess' policy should be attached.

(4 Marks)



The 'AWSNetworkManagerReadOnlyAccess' policy should be attached.

(5 Marks)

The screenshot shows the AWS IAM console interface. The left sidebar contains the 'Identity and Access Management (IAM)' menu with options like Dashboard, Access management, Access reports, and Account settings. The main content area is titled 'Network-L1-Team' and shows the 'Permissions' tab. It displays a summary of the user group, including its name, creation time, and ARN. Below the summary, there are tabs for 'Users', 'Permissions', and 'Access Advisor'. The 'Permissions' tab is active, showing a list of 'Permissions policies (2)' attached to the group. The policies are 'AmazonVPCReadOnlyAccess' and 'AWSNetworkManagerReadOnlyAccess', both of which are AWS managed and provide read-only access to their respective services.

Policy name	Type	Description
AmazonVPCReadOnlyAccess	AWS managed	Provides read only access to Amazon VPC via the AWS Management Console.
AWSNetworkManagerReadOnlyAccess	AWS managed	Provides read only access to Amazon NetworkManager via the AWS Management Co...

The screenshot shows the AWS IAM console interface, similar to the previous one, but with the 'Users' tab selected. The main content area is titled 'Network-L1-Team' and shows the 'Users' tab. It displays a summary of the user group, including its name, creation time, and ARN. Below the summary, there are tabs for 'Users', 'Permissions', and 'Access Advisor'. The 'Users' tab is active, showing a list of 'Users in this group (1)'. The user is 'Network-L1-User1', which was created 4 minutes ago and has no last activity recorded.

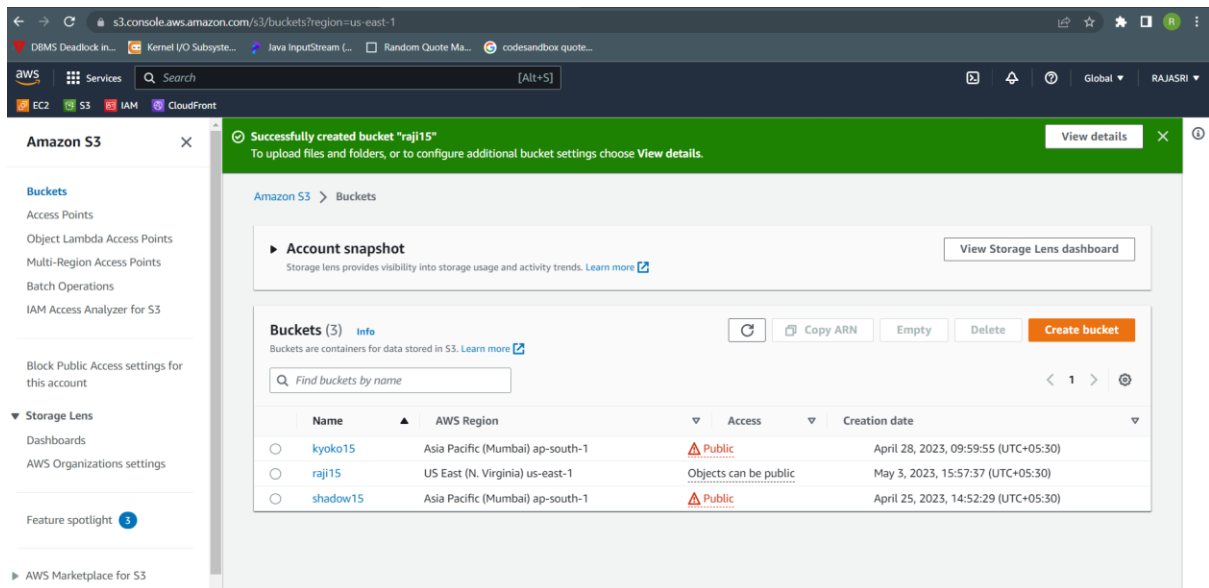
User name	Groups	Last activity	Creation time
Network-L1-User1	1	None	4 minutes ago

Q3.

**Create a S3 bucket for the following requirements**

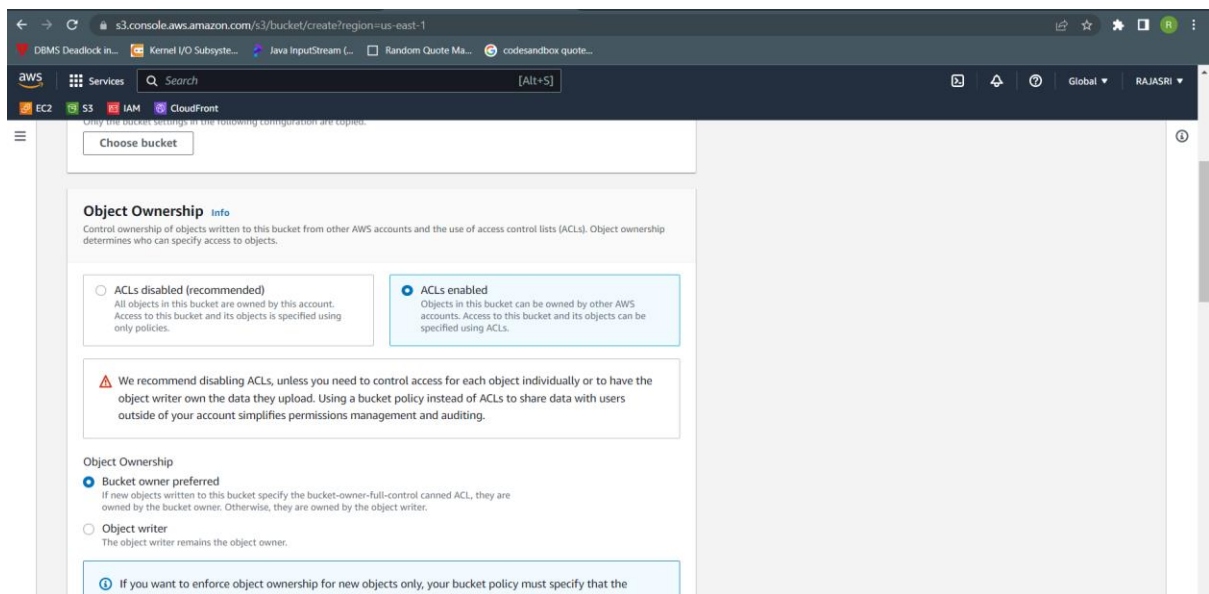
Create a new S3 bucket in the region of "Stockholm".

**(4 Marks)**



Make the bucket accessible to everyone(publicly) via Bucket ACL.

(4 Marks)



Upload a text file in the name of 'accounts.txt'.

(5 Marks)

The screenshot shows the AWS Management Console interface. At the top, there's a navigation bar with the AWS logo, 'Services' link, a search bar, and user information 'Global' and 'RAJASRI'. Below the navigation bar, a green banner at the top of the console area says 'Upload succeeded' with a sub-link 'View details below.'. Below this banner, a light blue box contains a warning: 'The information below will no longer be available after you navigate away from this page.' The main content area is divided into two tabs: 'Files and folders' (selected) and 'Configuration'. Under the 'Files and folders' tab, there's a section titled 'Files and folders (1 Total, 1.3 KB)' with a search bar 'Find by name'. Below this is a table with columns: Name, Folder, Type, Size, Status, and Error. The table contains one row for 'accounts.txt' with a status of 'Succeeded'.

Name	Folder	Type	Size	Status	Error
accounts.txt	-	text/plain	1.3 KB	Succeeded	-

Make the object 'accounts.txt' file accessible to everyone(publicly).

(4 Marks)

The screenshot shows the AWS Management Console interface. At the top, there's a navigation bar with the AWS logo, 'Services' link, a search bar, and user information 'Global' and 'RAJASRI'. Below the navigation bar, a green banner at the top of the console area says 'Successfully edited public access' with a sub-link 'View details below.' and a 'Close' button. Below this banner, a light blue box contains a warning: 'The information below will no longer be available after you navigate away from this page.' The main content area is divided into two tabs: 'Failed to edit public access' (selected) and 'Configuration'. Under the 'Failed to edit public access' tab, there's a section titled 'Failed to edit public access (0)' with a search bar 'Find objects by name'. Below this is a table with columns: Name, Folder, Type, Last modified, Size, and Error. The table is currently empty.

Name	Folder	Type	Last modified	Size	Error
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```
raj15s3.amazonaws.com/accounts.txt
DBMS Deadlock in... Kernel I/O Subsystem... Java InputStream (L... Random Quote Ma... codesandbox quote...

#include<iostream>
using namespace std;
int main()
{
    string s;
    cin>>s;
    for(int i=0;i<=s.length()/2;i++)
    {
        for(int j=0;j<i;j++)
        {
            cout<<" ";
        }
        if(i!=s.length()/2)
        {
            cout<<s[i];
        }
        for(int j=(s.length()/2)-1;j>=i;j--)
        {
            cout<<" ";
        }
        if(i!=s.length()/2)
        {
            cout<<s[s.length()-i-1]<<endl;
        }
        else
            cout<<s[s.length()/2]<<endl;
    }
    for(int i=(s.length()/2)+1;i<s.length();i++)
    {
        for(int j=i;j<s.length()-1;j++)
        {
            cout<<" ";
        }
        cout<<s[s.length()-i-1];
        for(int j=(s.length()/2)+1;j<=i;j++)
        {
            cout<<" ";
        }
        cout<<s[i];
        cout<<endl;
    }
}

output
tiger
```

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