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RAJASRI G

727721EUIT23

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Q1.

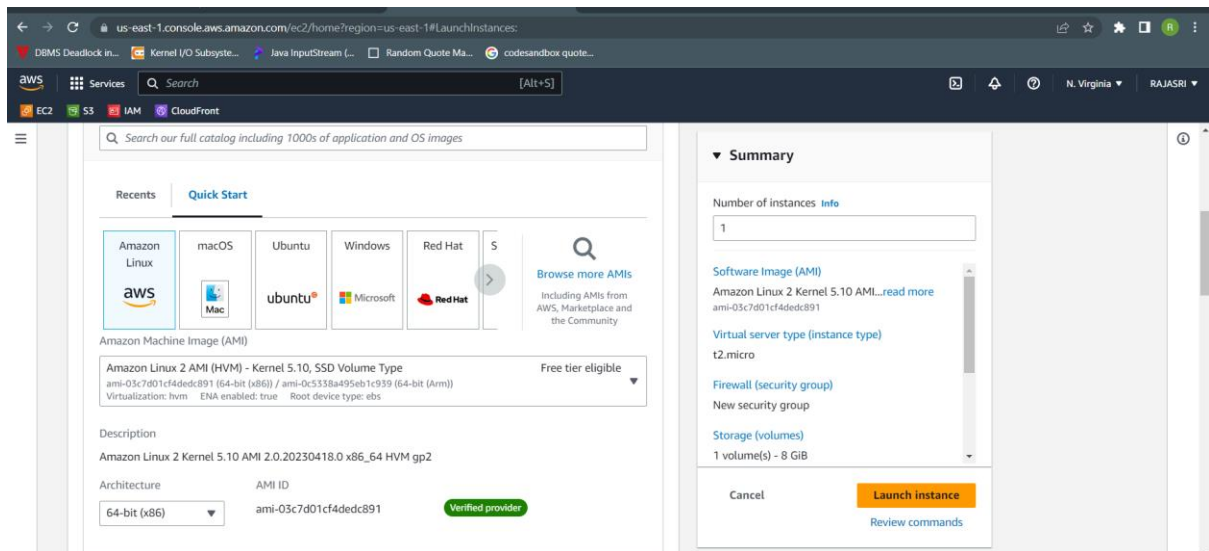
Create an EC2 Instance in the us-east-1 region with the following requirements.

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 a text input for 'Name' with the value 'ec2usecase1' and a button 'Add additional tags'. The 'Application and OS Images (Amazon Machine Image)' section has a search bar and a 'Quick Start' section with a carousel of operating systems: 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'. There are 'Cancel', 'Launch instance', and 'Review commands' buttons at the bottom right.

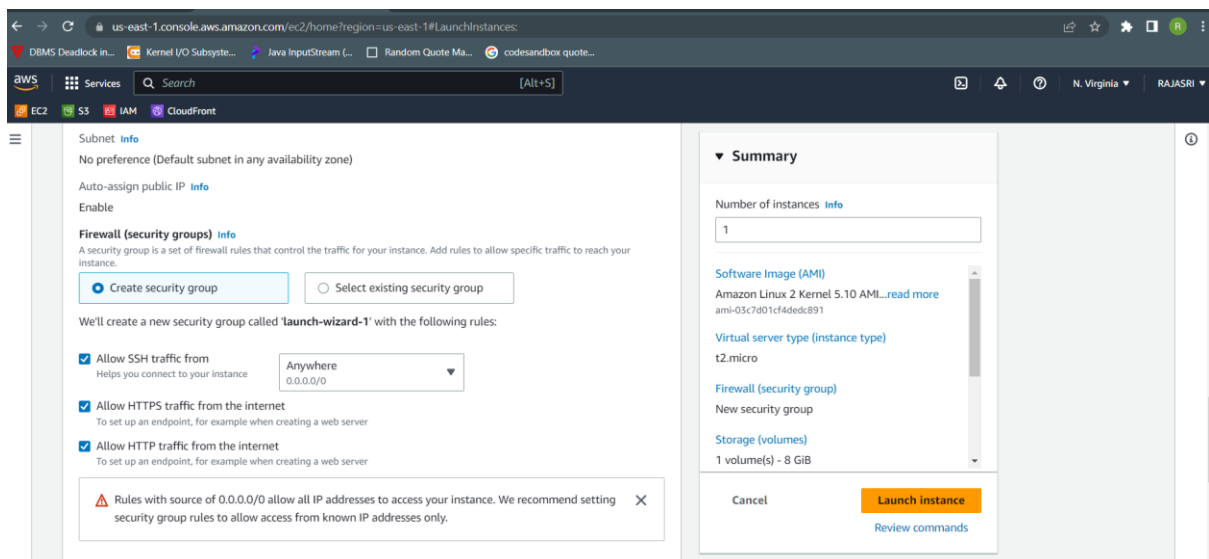
The screenshot shows the AWS Management Console for the 'us-east-1' region. The 'Instance type' section shows 't2.micro' selected, with details: 'Family: t2', '1 vCPU', '1 GiB Memory', 'Current generation: true', and pricing information. The 'Key pair (login)' section has a text input for 'Key pair name - required' with the value 'ec2usecase1' and a button 'Create new key pair'. The 'Network settings' section has an 'Edit' button. The 'Summary' section on the right is identical to 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'. There are 'Cancel', 'Launch instance', and 'Review commands' buttons at the bottom right.

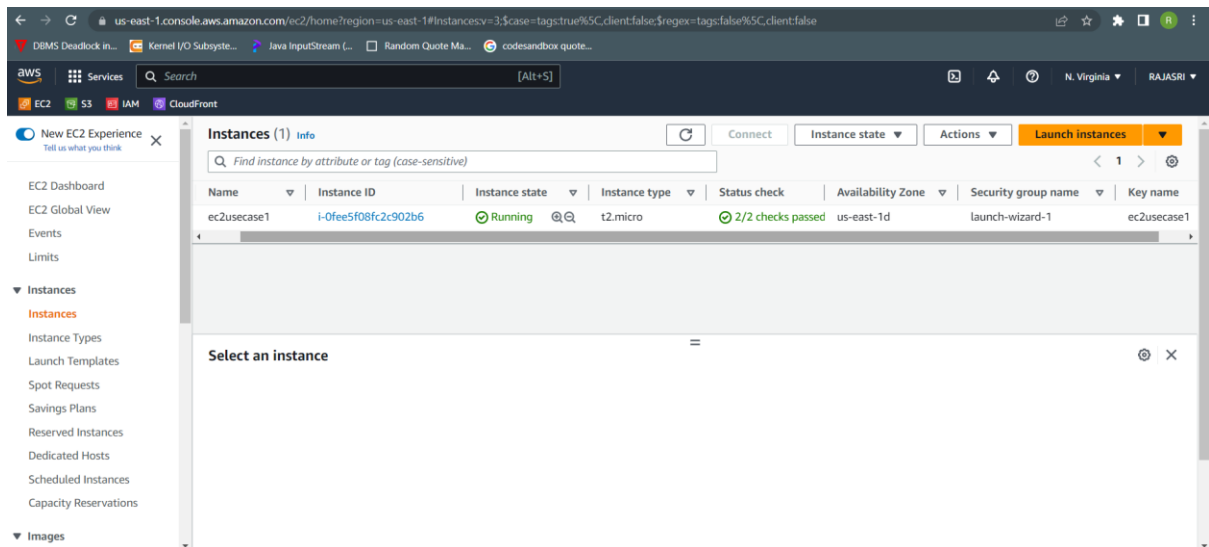
EC2 instance AMI should be "Amazon Linux 2".



Allow SSH traffic for taking putty remote connection.

Allow HTTP traffic from the internet for reaching website requests.

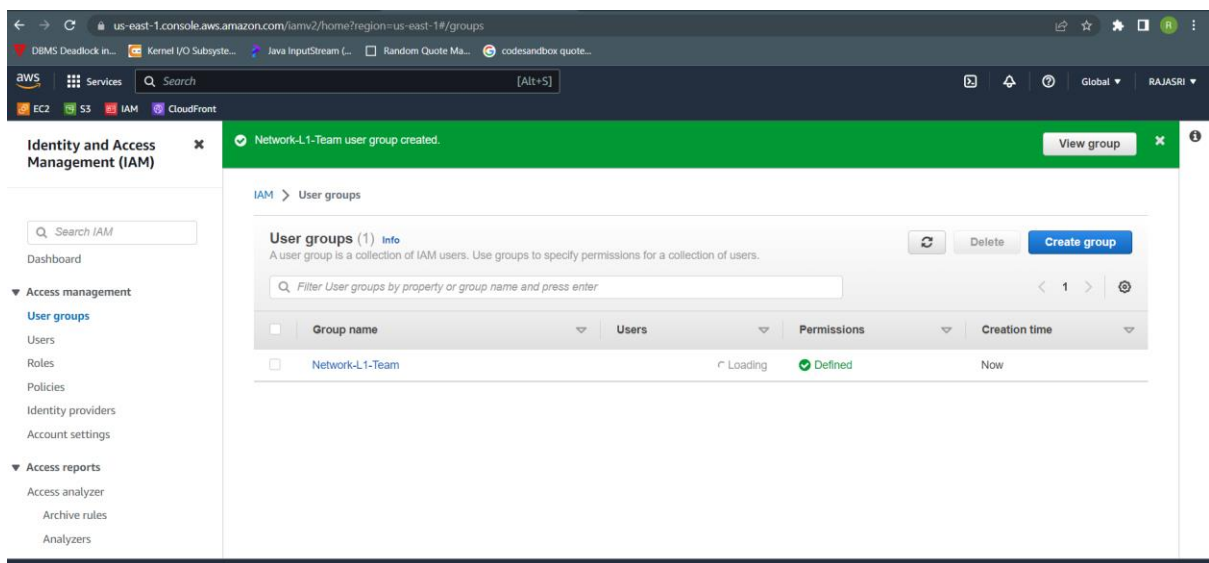




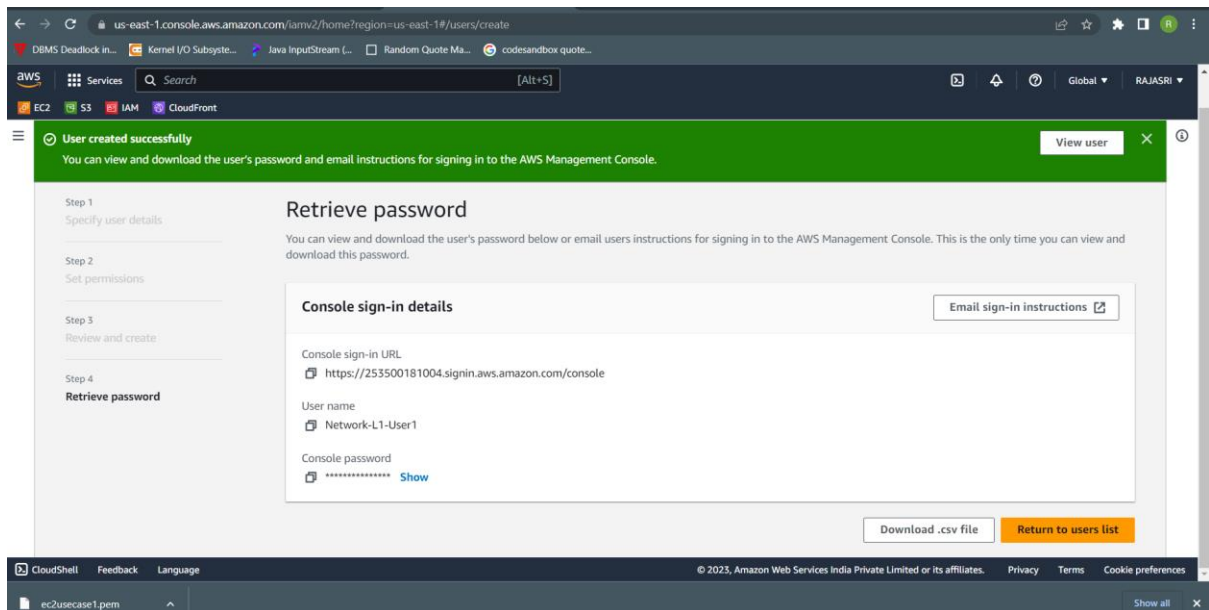
Q2.

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'.

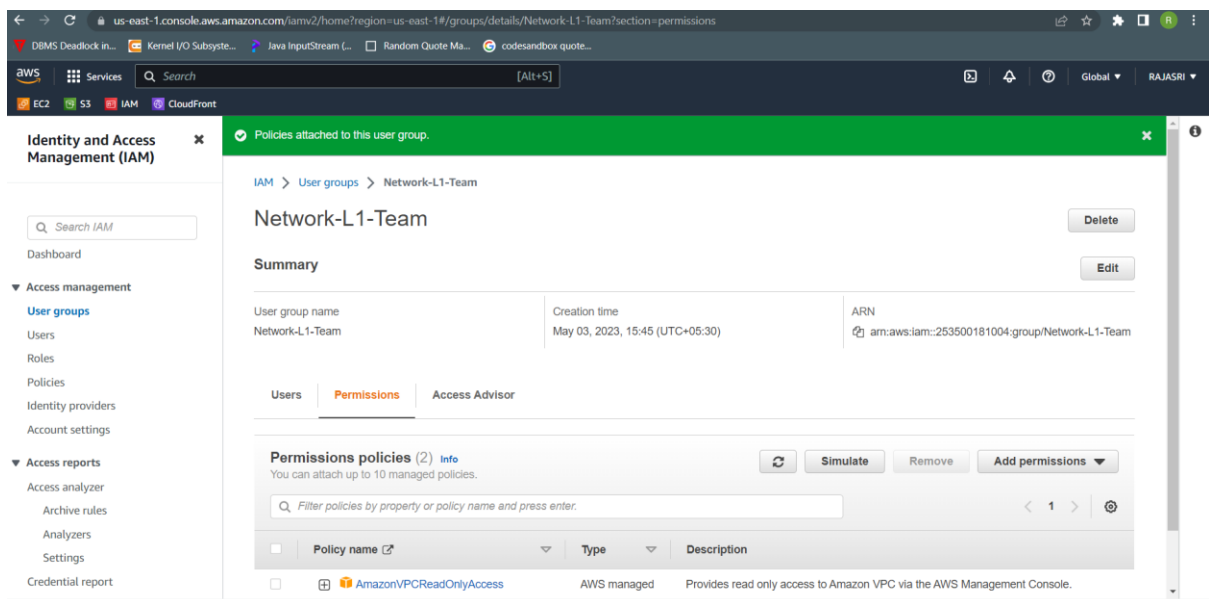


The name of the IAM user should be 'Network-L1-User1'.



The 'AmazonVPCReadOnlyAccess' policy should be attached.

(4 Marks)



The 'AWSNetworkManagerReadOnlyAccess' policy should be attached.

(5 Marks)

The screenshot shows the AWS IAM console for the 'Network-L1-Team' user group. 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 shows the 'Network-L1-Team' group details, including a summary table with fields like User group 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)' with columns for Policy name, Type, and Description. The policies listed are 'AmazonVPCReadOnlyAccess' and 'AWSNetworkManagerReadOnlyAccess', both of which are AWS managed.

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 for the 'Network-L1-Team' user group, specifically the 'Users' tab. The left sidebar is the same as the previous screenshot. The main content area shows the 'Network-L1-Team' group details, including a summary table with fields like User group 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)' with columns for User name, Groups, Last activity, and Creation time. The user listed is 'Network-L1-User1', who is a member of the 'Network-L1-Team' group and was created 4 minutes ago.

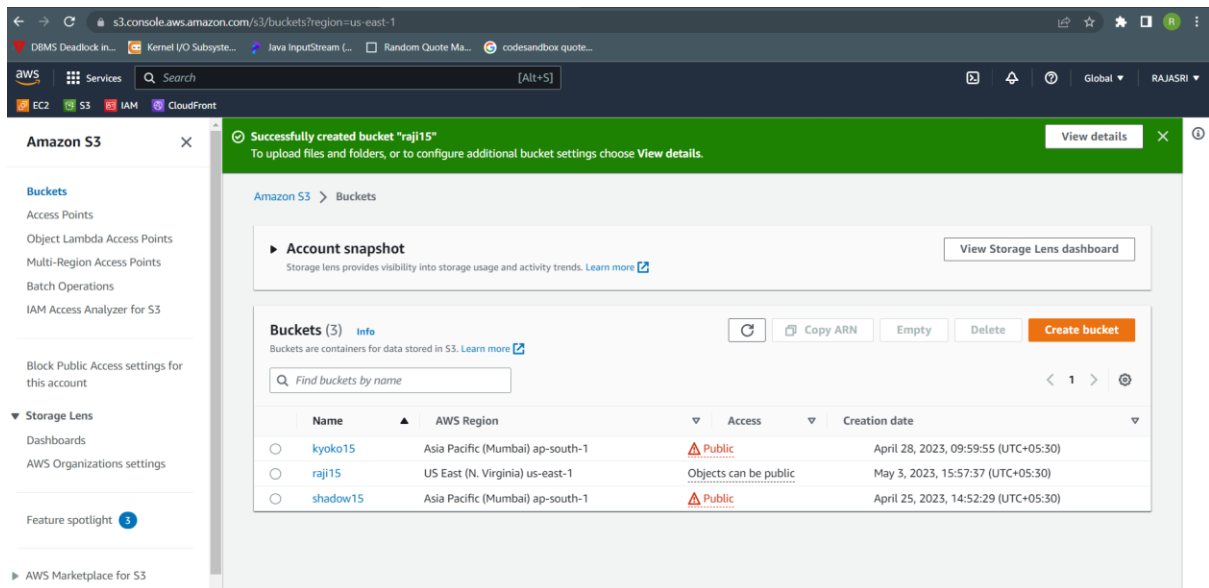
User name	Groups	Last activity	Creation time
Network-L1-User1	Network-L1-Team	None	4 minutes ago

Q3.

Create a S3 bucket for the following requirements

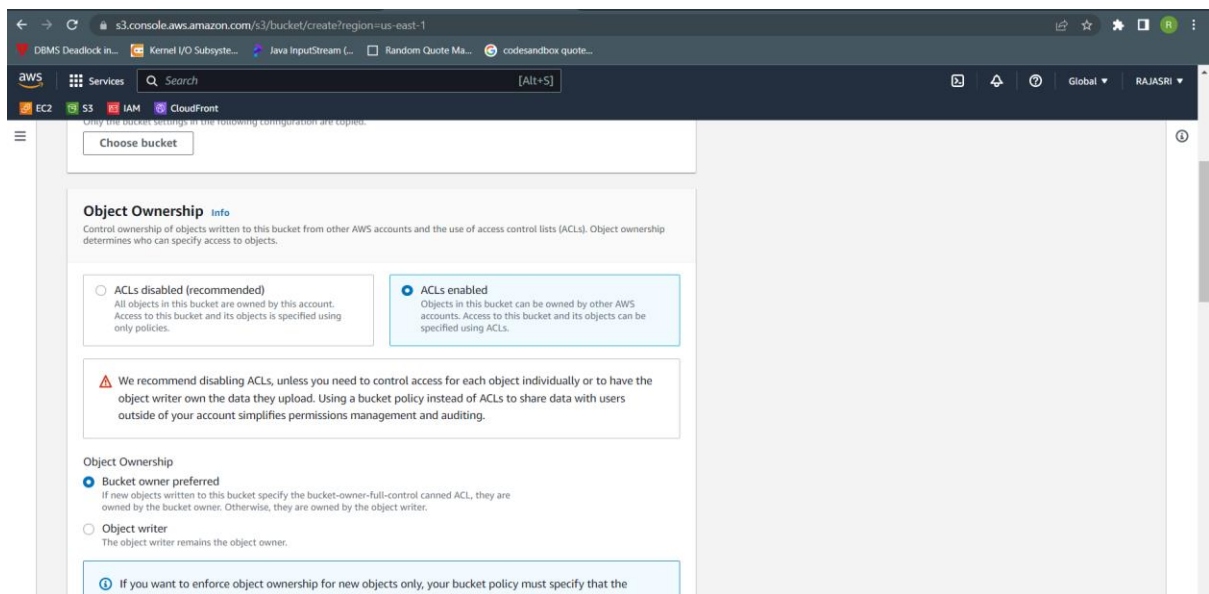
Create a new S3 bucket in the region of "Stockholm".

(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', a search bar, and user information 'Global' and 'RAJASRI'. Below the navigation bar, a green banner indicates 'Upload succeeded' with a link to 'View details below.'. A light blue box contains a warning: 'The information below will no longer be available after you navigate away from this page.' Below this, a 'Summary' section shows the destination 's3://raji15', the status 'Succeeded' with a green checkmark and '1 file, 1.3 KB (100.00%)', and a 'Failed' section with '0 files, 0 B (0%)'. There are two tabs: 'Files and folders' (active) and 'Configuration'. The 'Files and folders' section shows 'Files and folders (1 Total, 1.3 KB)' with a search bar 'Find by name'. Below 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', a search bar, and user information 'Global' and 'RAJASRI'. Below the navigation bar, a green banner indicates 'Successfully edited public access' with a link to 'View details below.' and a 'Close' button. A light blue box contains a warning: 'The information below will no longer be available after you navigate away from this page.' Below this, a 'Summary' section shows the source 's3://raji15', the status 'Successfully edited public access' with a green checkmark and '1 object, 1.3 KB', and a 'Failed to edit public access' section with '0 objects'. There are two tabs: 'Failed to edit public access' (active) and 'Configuration'. The 'Failed to edit public access' section shows 'Failed to edit public access (0)' with a search bar 'Find objects by name'. Below 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
```

S