**3Q)Create an S3 bucket and deploy the reactjs static application on it and provide with the public url for use.**

**THEORY:**

Amazon Simple Storage Service (Amazon S3) is an object storage service that offers industry-leading scalability, data availability, security, and performance. S3 is built for storing and recovering any amount of information or data from anywhere over the internet. It provides this storage through a web services interface. While designed for developers for easier web-scale computing, it provides 99.9999% durability and 99.99% availability of objects. It can also store computer files up to 5 terabytes in size.

**STEPS:**

1. Go to AWS console and choose S3.

2. For creating and new bucket select create bucket.

3. Give the name of the bucket and choose the region.

4. Now unmark “block all public access”.

5. Enable the caution and also enable bucket versioning.

6. Add the tags if necessary and click on create bucket.

7. Now enable the **static web hosting**.

8. Generate the bucket policies by clicking on **generate policy**.

9. Now go to the system local machine (CMD) and check whether the nodejs is installed or not by checking its version.

**$node –v** (or) **$node --version**

10. Install the packages of react by using the following command.

**$npm install –g create-react-app**

11. Now create the new react application.

**$create-react-app application\_name**

12. change to the respective application directory and start the application.

**$cd application\_name**

**$npm start**

13. Now the application gets successfully opened in the browser. Now create the build folder using the below command and install the packages.

**$npm run build**

**$npm install –g serve**

14. The entire application code gets downloaded into our system. Upload the build folder into the bucket by selecting “upload”.

15.In the static website hosting the url is generated when the static website hosting is enabled.

16. Now use that url to open the application in the web browser. The application gets successfully opened