**Question 3:**

**Create an s3 bucket and deploy the reactjs static application on it and provide with the public url for use.**

S3 stands for Simple Storage Service. It is an object storage service that offers industry leading scalability, data availability, security and performance. We use s3 to store and retrieve any amount of data at any time, from anywhere. Amazon s3 stores data as objects within buckets. An object can any file you want to store to a bucket. We can have one or more buckets and can control access to it such as who can create, delete and list objects in the bucket, view access logs and its objects.

**To create a bucket and reactjs static application:**

**Step 1:** go to S3 service page in amazon console page and create a bucket by giving general configuration such as name region

**Step 2:** select object ownership (ACL disabled) and does not block public access settings for the bucket to make it public.

**Step 3:** enable bucket versioning and default encryption as amazon s3 managed keys and create the bucket.

**Step 4:** edit the bucket policy int the permission tab on the bucket.

**Step 5:** enable the static website hosting and hosting type as hast a static website and a default index document.

**Step 6:** go to the command prompt and check the node version by using **node -v.**

**Step 7:** use **npm install -g create-react-app** to globally create a react app

**Step 8: npm start** to start the app. You can view the my-app in the browser by given IP(<http://192.168.192.1:3000>) or by (<http://localhost:3000>) to view in locally.

**Step 9:** now go to the bucket and upload the file in static folder of my-app.

**Step 10:** copy the bucket website endpoint in static website hosting [**http://reactbucket11.s3-website-us-east-1.amazonaws.com**](http://reactbucket11.s3-website-us-east-1.amazonaws.com)to view the my-app static website.