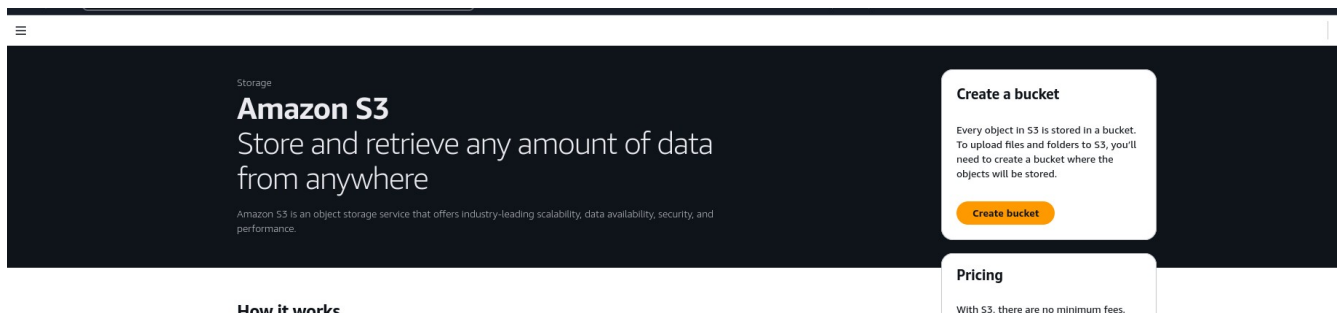


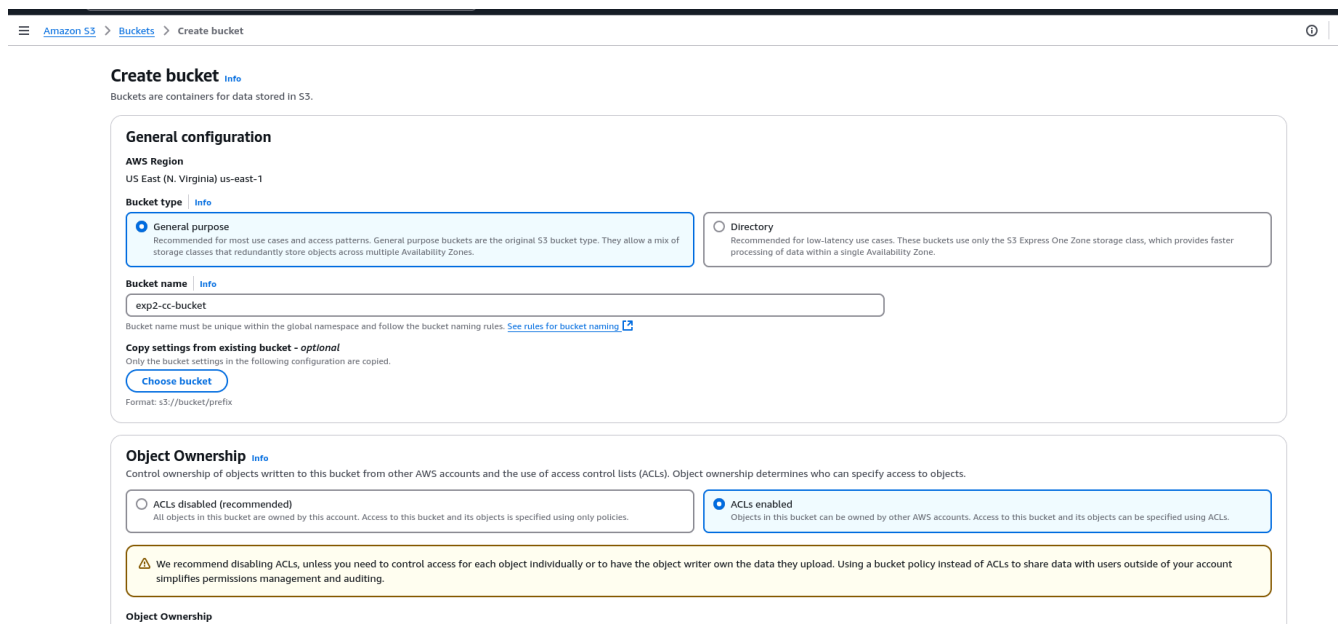
Creation of S3 Bucket

Create the S3 bucket and upload the object into it

- i) Change the bucket level permissions
- ii) Change the object level permissions
- iii) Make the bucket publicly accessible



Note:- Upload the document with i) URL of object ii) Screenshots of each and every step

The image is a screenshot of the AWS Management Console's "Create bucket" page. The breadcrumb trail at the top shows "Amazon S3 > Buckets > Create bucket". The page title is "Create bucket" with an "Info" link. Below the title, it says "Buckets are containers for data stored in S3." The "General configuration" section shows the "AWS Region" as "US East (N. Virginia) us-east-1". Under "Bucket type", the "General purpose" option is selected, with a description: "Recommended for most use cases and access patterns. General purpose buckets are the original S3 bucket type. They allow a mix of storage classes that redundantly store objects across multiple Availability Zones." The "Directory" option is also visible. The "Bucket name" field contains "exp2-cc-bucket". Below the field, it says "Bucket name must be unique within the global namespace and follow the bucket naming rules. See rules for bucket naming". There is a "Copy settings from existing bucket - optional" section with a "Choose bucket" button. The "Object Ownership" section shows "ACLs disabled (recommended)" selected, with a description: "All objects in this bucket are owned by this account. Access to this bucket and its objects is specified using only policies." The "ACLs enabled" option is also visible. A warning message states: "We recommend disabling ACLs, unless you need to control access for each object individually or to have the object writer own the data they upload. Using a bucket policy instead of ACLs to share data with users outside of your account simplifies permissions management and auditing." The page footer shows "Object Ownership" with a link.

Amazon S3 > Buckets > Create bucket

Block Public Access settings for this bucket

Public access is granted to buckets and objects through access control lists (ACLs), bucket policies, access point policies, or all. In order to ensure that public access to this bucket and its objects is blocked, turn on Block all public access. These settings apply only to this bucket and its access points. AWS recommends that you turn on Block all public access, but before applying any of these settings, ensure that your applications will work correctly without public access. If you require some level of public access to this bucket or objects within, you can customize the individual settings below to suit your specific storage use cases. [Learn more](#)

☐ Block all public access

Turning this setting on is the same as turning on all four settings below. Each of the following settings are independent of one another.

☐ Block public access to buckets and objects granted through new access control lists (ACLs)

S3 will block public access permissions applied to newly added buckets or objects, and prevent the creation of new public access ACLs for existing buckets and objects. This setting doesn't change any existing permissions that allow public access to S3 resources using ACLs.

☐ Block public access to buckets and objects granted through any access control lists (ACLs)

S3 will ignore all ACLs that grant public access to buckets and objects.

☐ Block public access to buckets and objects granted through new public bucket or access point policies

S3 will block new bucket and access point policies that grant public access to buckets and objects. This setting doesn't change any existing policies that allow public access to S3 resources.

☐ Block public and cross-account access to buckets and objects through any public bucket or access point policies

S3 will ignore public and cross-account access for buckets or access points with policies that grant public access to buckets and objects.

⚠ Turning off block all public access might result in this bucket and the objects within becoming public

AWS recommends that you turn on block all public access, unless public access is required for specific and verified use cases such as static website hosting.

☐ I acknowledge that the current settings might result in this bucket and the objects within becoming public.

Bucket Versioning

Versioning is a means of keeping multiple variants of an object in the same bucket. You can use versioning to preserve, retrieve, and restore every version of every object stored in your Amazon S3 bucket. With versioning, you can easily recover from both unintended user actions and application failures. [Learn more](#)

Bucket Versioning

☐ Disable

☒ Enable

Tags - optional (0)

Amazon S3 > Buckets > Create bucket

Tags - optional (0)

You can use bucket tags to track storage costs and organize buckets. [Learn more](#)

No tags associated with this bucket.

Add tag

Default encryption [Info](#)

Server-side encryption is automatically applied to new objects stored in this bucket.

Encryption type [Info](#)

☒ Server-side encryption with Amazon S3 managed keys (SSE-S3)

☐ Server-side encryption with AWS Key Management Service keys (SSE-KMS)

☐ Dual-layer server-side encryption with AWS Key Management Service keys (DSSE-KMS)

Secure your objects with two separate layers of encryption. For details on pricing, see DSSE-KMS pricing on the Storage tab of the [Amazon S3 pricing page](#).

Bucket Key

Using an S3 Bucket Key for SSE-KMS reduces encryption costs by lowering calls to AWS KMS. S3 Bucket Keys aren't supported for DSSE-KMS. [Learn more](#)

☐ Disable

☒ Enable

► Advanced settings

ⓘ After creating the bucket, you can upload files and folders to the bucket, and configure additional bucket settings.

Cancel

Create bucket

Amazon S3

Buckets

Successfully created bucket "exp2-cc-bucket"

To upload files and folders, or to configure additional bucket settings, choose [View details](#).

View details

Account snapshot - updated every 24 hours

All AWS Regions

Storage lens provides visibility into storage usage and activity trends. Metrics don't include directory buckets. [Learn more](#)

View Storage Lens dashboard

General purpose buckets

Directory buckets

General purpose buckets (1)

Info

All AWS Regions

Copy ARN

Empty

Delete

Create bucket

Buckets are containers for data stored in S3.

Find buckets by name

< 1 >

Name

AWS Region

IAM Access Analyzer

Creation date

exp2-cc-bucket

US East (N. Virginia) us-east-1

[View analyzer for us-east-1](#)

February 17, 2025, 10:07:27 (UTC+05:30)

Click on upload

Amazon S3

Buckets

exp2-cc-bucket

exp2-cc-bucket

Info

Objects

Metadata

Properties

Permissions

Metrics

Management

Access Points

Objects (0)

Copy S3 URI

Copy URL

Download

Open

Delete

Actions

Create folder

Upload

Objects are the fundamental entities stored in Amazon S3. You can use [Amazon S3 Inventory](#) to get a list of all objects in your bucket. For others to access your objects, you'll need to explicitly grant them permissions. [Learn more](#)

Find objects by prefix

Show versions

< 1 >

Name

Type

Last modified

Size

Storage class

No objects

You don't have any objects in this bucket.

Upload

Click on Add files

Upload Info

Add the files and folders you want to upload to S3. To upload a file larger than 160GB, use the AWS CLI, AWS SDKs or Amazon S3 REST API. [Learn more](#)

Drag and drop files and folders you want to upload here, or choose **Add files** or **Add folder**.

Files and folders (0)

All files and folders in this table will be uploaded.

<input type="checkbox"/>	Name	Folder	Type	Size
--------------------------	------	--------	------	------

No files or folders

You have not chosen any files or folders to upload.

Remove

Add files

Add folder

Destination Info

Destination

[s3://exp2-cc-bucket](#)

► Destination details

Bucket settings that impact new objects stored in the specified destination.

► Permissions

Grant public access and access to other AWS accounts.

► Properties

Specify storage class, encryption settings, tags, and more.

Cancel

Upload

Upload Info

Add the files and folders you want to upload to S3. To upload a file larger than 160GB, use the AWS CLI, AWS SDKs or Amazon S3 REST API. [Learn more](#)

Drag and drop files and folders you want to upload here, or choose **Add files** or **Add folder**.

Files and folders (1 total, 250.0 B)

All files and folders in this table will be uploaded.

<input type="checkbox"/>	Name	Folder	Type	Size
<input type="checkbox"/>	index.html	-	text/html	250.0 B

Destination Info

Destination

[s3://exp2-cc-bucket](#)

► Destination details

Bucket settings that impact new objects stored in the specified destination.

► Permissions

Grant public access and access to other AWS accounts.

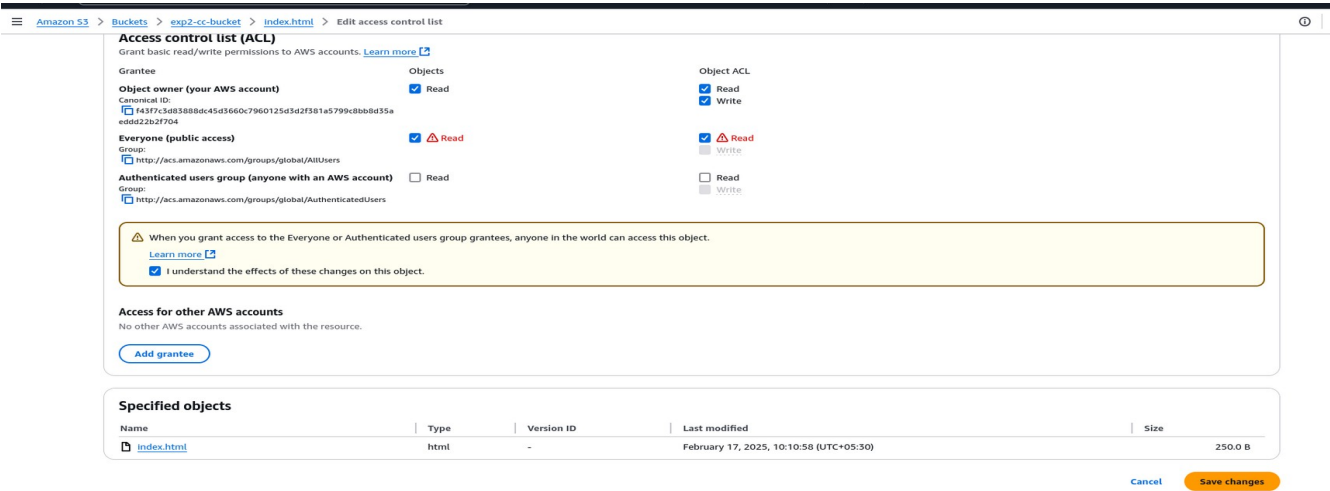
► Properties

Specify storage class, encryption settings, tags, and more.

Cancel

Upload

Set proper permissions to manage access



HTML File Output:- <https://exp2-cc-bucket.s3.us-east-1.amazonaws.com/index.html>



Hi Deepak please listen to the class

Edit access control list [Info](#)

Access control list (ACL)

Grant basic read/write permissions to AWS accounts. [Learn more](#)

Grantee	Objects	Object ACL
Object owner (your AWS account)	<input checked="" type="checkbox"/> Read	<input checked="" type="checkbox"/> Read <input checked="" type="checkbox"/> Write
Canonical ID: i43f7c3d83888dc45d3660c7960125d3d2f381a5799c8bb8d35aedd622b2f704		
Everyone (public access)	<input checked="" type="checkbox"/> ⚠ Read	<input type="checkbox"/> Read <input type="checkbox"/> Write
Group: http://acs.amazonaws.com/groups/global/AllUsers		
Authenticated users group (anyone with an AWS account)	<input type="checkbox"/> Read	<input type="checkbox"/> Read <input type="checkbox"/> Write
Group: http://acs.amazonaws.com/groups/global/AuthenticatedUsers		

⚠ When you grant access to the Everyone or Authenticated users group grantees, anyone in the world can access this object.

[Learn more](#)

☒ I understand the effects of these changes on this object.

Access for other AWS accounts

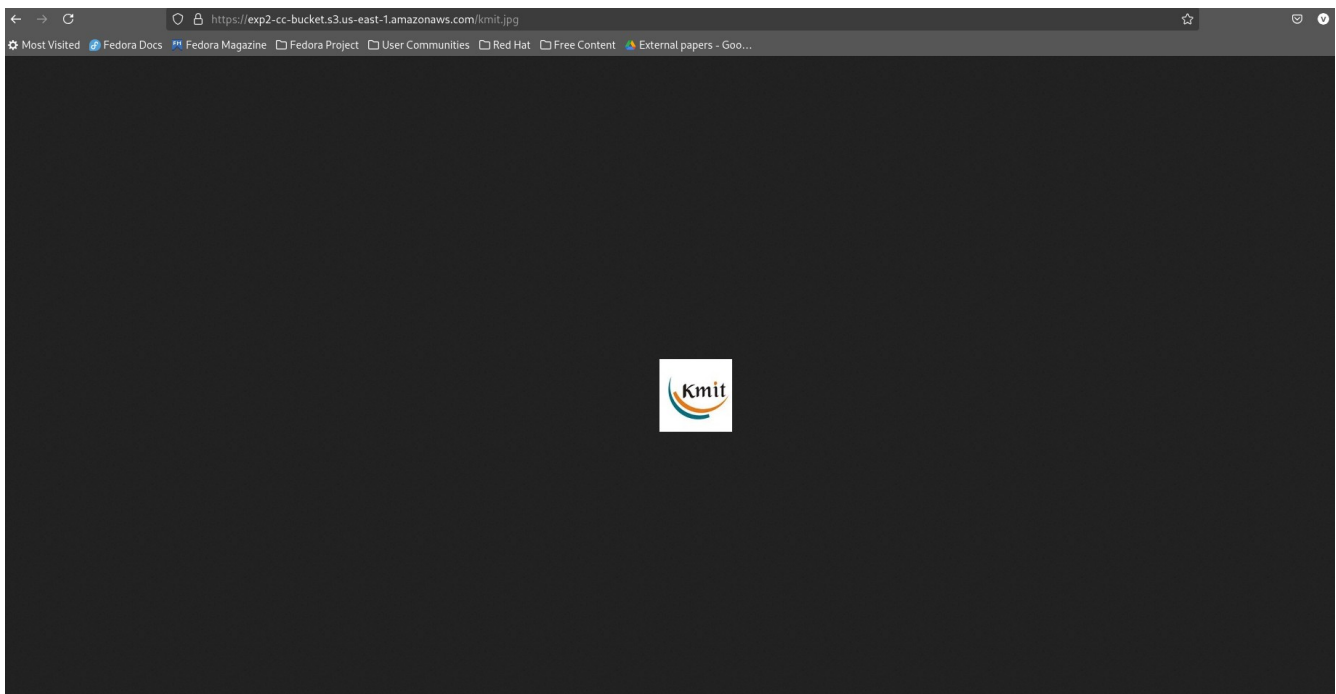
No other AWS accounts associated with the resource.

[Add grantee](#)

Specified objects

Name	Type	Version ID	Last modified	Size
kmit.jpg	jpg	-	February 17, 2025, 10:32:26 (UTC+05:30)	3.3 KB

Image:- <https://exp2-cc-bucket.s3.us-east-1.amazonaws.com/kmit.jpg>




PDF [File:- https://exp2-cc-bucket.s3.us-east-1.amazonaws.com/3-2+syllabus.pdf](https://exp2-cc-bucket.s3.us-east-1.amazonaws.com/3-2+syllabus.pdf)

← → ↻ <https://exp2-cc-bucket.s3.us-east-1.amazonaws.com/3-2+syllabus.pdf> ☆ ⓘ

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1 of 29

**KMIT KESHAV MEMORIAL INSTITUTE OF TECHNOLOGY**
(AN AUTONOMOUS INSTITUTE)
Accredited by NBA & NAAC, Approved by AICTE, Affiliated to JNTUH, Hyderabad

B. Tech. in COMPUTER SCIENCE AND ENGINEERING

III Year II Semester Syllabus (RKR21)
COMPETITIVE PROGRAMMING (21CS601PC)

L	T	P	C
3	0	0	3

Pre-requisites/ Co-requisites:

1. PP102ES – Programming for Problem Solving Course.
2. R21CS303PC – Data Structures through C++ Course.

Course Objectives: The course will help to

1. Understand the sliding window and two pointer approach problems.
2. Understand bit manipulation operations
3. Recognize the various forms of trees and their interconnected components.
4. Understand graph applications and topological sort
5. Recognize disjoint set union and its applications.

Course Outcomes: The student will be able to

1. Outline and solve different array applications.
2. Implement bit manipulation for compression, encryption, optimization
3. Illustrate different types of trees and tries applications.