Course Code: **MCAL11**	Course Name: **Data Structures Lab with C and C++**	
Class: **FYMCA**	Semester: **I CBCGS (1 Year MCA)**	Academic Year: **2023-24**
Roll No: 1	Name of Student: Shruti Dnyaneshwar Anabhavane	
Experiment No: **04**	Quiz Score:	6
Name of Experiment: **Introduction to Queue**		
Lab Objective applicable: Understand linear data structure Queue with various operations and applications.		
Lab Outcome applicable: Construct the Queue linear data structure and apply it for various computer related applications.		

Details of Quiz:

Q. No.	Question	Correct Answer	Given Answer
1	A data structure in which elements can be inserted or deleted at/from both the ends but not in the middle is?	Dequeue	Dequeue
2	A normal queue, if implemented using an array of size MAX_SIZE, gets full when?	Rear = MAX_SIZE – 1	Rear = MAX_SIZE – 1
3	The difference between queue and stack is_____	Queue use two ends of the structure, stack use only one	queue use two ends of the structure, stack use only one
4	Two variables used in queue are _____	rear and front	rear and front
5	Which one of the following is an application of Queue Data Structure?	Load Balancing	Load Balancing
6	Which operation is used to add an element in the Queue?	Enqueue	Enqueue

Assignment/Experiment Evaluation:

Sr. No.	Parameters	Marks Obtained	Out of
1	Technical Understanding (Assessment based on Q and A through online quiz)		6
2	Neatness/Presentation		2
3	Punctuality		2
Date of Execution (DOE)		Total Marks Obtained	10
Date of Assessment (DOA)		Signature of Teacher	

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Course Code: **MCAL11**	Course Name: **Data Structures Lab with C and C++**	
Class: **FYMCA**	Semester: **I CBCGS (1 Year MCA)**	Academic Year: **2023-24**
Roll No: 2	Name of Student: Indranil Suresh Angolkar	
Experiment No: **04**	Quiz Score:	6
Name of Experiment: **Introduction to Queue**		
Lab Objective applicable: Understand linear data structure Queue with various operations and applications.		
Lab Outcome applicable: Construct the Queue linear data structure and apply it for various computer related applications.		

Details of Quiz:

Q. No.	Question	Correct Answer	Given Answer
1	A data structure in which elements can be inserted or deleted at/from both the ends but not in the middle is?	Dequeue	Dequeue
2	A normal queue, if implemented using an array of size MAX_SIZE, gets full when?	Rear = MAX_SIZE − 1	Rear = MAX_SIZE − 1
3	The difference between queue and stack is_____	Queue use two ends of the structure, stack use only one	queue use two ends of the structure, stack use only one
4	Two variables used in queue are _____	rear and front	rear and front
5	Which one of the following is an application of Queue Data Structure?	Load Balancing	Load Balancing
6	Which operation is used to add an element in the Queue?	Enqueue	Enqueue

Assignment/Experiment Evaluation:

Sr. No.	Parameters	Marks Obtained	Out of
1	Technical Understanding (Assessment based on Q and A through online quiz)		6
2	Neatness/Presentation		2
3	Punctuality		2
Date of Execution (DOE)		Total Marks Obtained	10
Date of Assessment (DOA)		Signature of Teacher	

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	Department of MCA

Course Code: **MCAL11**	Course Name: **Data Structures Lab with C and C++**	
Class: **FYMCA**	Semester: **I CBCGS (1 Year MCA)**	Academic Year: **2023-24**
Roll No: 3	Name of Student: Om Rajesh Awasare	
Experiment No: **04**	Quiz Score:	5
Name of Experiment: **Introduction to Queue**		
Lab Objective applicable: Understand linear data structure Queue with various operations and applications.		
Lab Outcome applicable: Construct the Queue linear data structure and apply it for various computer related applications.		

Details of Quiz:

Q. No.	Question	Correct Answer	Given Answer
1	A data structure in which elements can be inserted or deleted at/from both the ends but not in the middle is?	Dequeue	Dequeue
2	A normal queue, if implemented using an array of size MAX_SIZE, gets full when?	Rear = MAX_SIZE – 1	Rear = MAX_SIZE – 1
3	The difference between queue and stack is_____	Queue use two ends of the structure, stack use only one	stack use two ends of the structure, queue use only one
4	Two variables used in queue are _____	rear and front	rear and front
5	Which one of the following is an application of Queue Data Structure?	Load Balancing	Load Balancing
6	Which operation is used to add an element in the Queue?	Enqueue	Enqueue

Assignment/Experiment Evaluation:

Sr. No.	Parameters	Marks Obtained	Out of
1	Technical Understanding (Assessment based on Q and A through online quiz)		6
2	Neatness/Presentation		2
3	Punctuality		2
Date of Execution (DOE)		Total Marks Obtained	10
Date of Assessment (DOA)		Signature of Teacher	

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Course Code: **MCAL11**	Course Name: **Data Structures Lab with C and C++**	
Class: **FYMCA**	Semester: **I CBCGS (1 Year MCA)**	Academic Year: **2023-24**
Roll No: 4	Name of Student: Vaibhav bagave	
Experiment No: **04**	Quiz Score:	6
Name of Experiment: **Introduction to Queue**		
Lab Objective applicable: Understand linear data structure Queue with various operations and applications.		
Lab Outcome applicable: Construct the Queue linear data structure and apply it for various computer related applications.		

Details of Quiz:

Q. No.	Question	Correct Answer	Given Answer
1	A data structure in which elements can be inserted or deleted at/from both the ends but not in the middle is?	Dequeue	Dequeue
2	A normal queue, if implemented using an array of size MAX_SIZE, gets full when?	Rear = MAX_SIZE – 1	Rear = MAX_SIZE – 1
3	The difference between queue and stack is_____	Queue use two ends of the structure, stack use only one	queue use two ends of the structure, stack use only one
4	Two variables used in queue are _____	rear and front	rear and front
5	Which one of the following is an application of Queue Data Structure?	Load Balancing	Load Balancing
6	Which operation is used to add an element in the Queue?	Enqueue	Enqueue

Assignment/Experiment Evaluation:

Sr. No.	Parameters	Marks Obtained	Out of
1	Technical Understanding (Assessment based on Q and A through online quiz)		6
2	Neatness/Presentation		2
3	Punctuality		2
Date of Execution (DOE)		Total Marks Obtained	10
Date of Assessment (DOA)		Signature of Teacher	

Course Code: **MCAL11**	Course Name: **Data Structures Lab with C and C++**	
Class: **FYMCA**	Semester: **I CBCGS (1 Year MCA)**	Academic Year: **2023-24**
Roll No: 5	Name of Student: Ruchita pravin Belosay	
Experiment No: **04**	Quiz Score:	6
Name of Experiment: **Introduction to Queue**		
Lab Objective applicable: Understand linear data structure Queue with various operations and applications.		
Lab Outcome applicable: Construct the Queue linear data structure and apply it for various computer related applications.		

Details of Quiz:

Q. No.	Question	Correct Answer	Given Answer
1	A data structure in which elements can be inserted or deleted at/from both the ends but not in the middle is?	Dequeue	Dequeue
2	A normal queue, if implemented using an array of size MAX_SIZE, gets full when?	Rear = MAX_SIZE – 1	Rear = MAX_SIZE – 1
3	The difference between queue and stack is_____	Queue use two ends of the structure, stack use only one	queue use two ends of the structure, stack use only one
4	Two variables used in queue are _____	rear and front	rear and front
5	Which one of the following is an application of Queue Data Structure?	Load Balancing	Load Balancing
6	Which operation is used to add an element in the Queue?	Enqueue	Enqueue

Assignment/Experiment Evaluation:

Sr. No.	Parameters	Marks Obtained	Out of
1	Technical Understanding (Assessment based on Q and A through online quiz)		6
2	Neatness/Presentation		2
3	Punctuality		2
Date of Execution (DOE)		Total Marks Obtained	10
Date of Assessment (DOA)		Signature of Teacher	

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Course Code: **MCAL11**	Course Name: **Data Structures Lab with C and C++**	
Class: **FYMCA**	Semester: **I CBCGS (1 Year MCA)**	Academic Year: **2023-24**
Roll No: 6	Name of Student: Pravat Bera	
Experiment No: **04**	Quiz Score:	6
Name of Experiment: **Introduction to Queue**		
Lab Objective applicable: Understand linear data structure Queue with various operations and applications.		
Lab Outcome applicable: Construct the Queue linear data structure and apply it for various computer related applications.		

Details of Quiz:

Q. No.	Question	Correct Answer	Given Answer
1	A data structure in which elements can be inserted or deleted at/from both the ends but not in the middle is?	Dequeue	Dequeue
2	A normal queue, if implemented using an array of size MAX_SIZE, gets full when?	Rear = MAX_SIZE – 1	Rear = MAX_SIZE – 1
3	The difference between queue and stack is_____	Queue use two ends of the structure, stack use only one	queue use two ends of the structure, stack use only one
4	Two variables used in queue are _____	rear and front	rear and front
5	Which one of the following is an application of Queue Data Structure?	Load Balancing	Load Balancing
6	Which operation is used to add an element in the Queue?	Enqueue	Enqueue

Assignment/Experiment Evaluation:

Sr. No.	Parameters	Marks Obtained	Out of
1	Technical Understanding (Assessment based on Q and A through online quiz)		6
2	Neatness/Presentation		2
3	Punctuality		2
Date of Execution (DOE)		Total Marks Obtained	10
Date of Assessment (DOA)		Signature of Teacher	

Course Code: **MCAL11**	Course Name: **Data Structures Lab with C and C++**	
Class: **FYMCA**	Semester: **I CBCGS (1 Year MCA)**	Academic Year: **2023-24**
Roll No: 7	Name of Student: Hafsa Muneer Bhatkar	
Experiment No: **04**	Quiz Score:	6
Name of Experiment: **Introduction to Queue**		
Lab Objective applicable: Understand linear data structure Queue with various operations and applications.		
Lab Outcome applicable: Construct the Queue linear data structure and apply it for various computer related applications.		

Details of Quiz:

Q. No.	Question	Correct Answer	Given Answer
1	A data structure in which elements can be inserted or deleted at/from both the ends but not in the middle is?	Dequeue	Dequeue
2	A normal queue, if implemented using an array of size MAX_SIZE, gets full when?	Rear = MAX_SIZE − 1	Rear = MAX_SIZE − 1
3	The difference between queue and stack is_____	Queue use two ends of the structure, stack use only one	queue use two ends of the structure, stack use only one
4	Two variables used in queue are _____	rear and front	rear and front
5	Which one of the following is an application of Queue Data Structure?	Load Balancing	Load Balancing
6	Which operation is used to add an element in the Queue?	Enqueue	Enqueue

Assignment/Experiment Evaluation:

Sr. No.	Parameters	Marks Obtained	Out of
1	Technical Understanding (Assessment based on Q and A through online quiz)		6
2	Neatness/Presentation		2
3	Punctuality		2
Date of Execution (DOE)		Total Marks Obtained	10
Date of Assessment (DOA)		Signature of Teacher	

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	Department of MCA
Course Code: **MCAL11**	Course Name: **Data Structures Lab with C and C++**
Class: **FYMCA**	Semester: **I CBCGS (1 Year MCA)** Academic Year: **2023-24**
Roll No: 8	Name of Student: Atharva Sandip Bhatye
Experiment No: **04**	Quiz Score: 5
Name of Experiment: **Introduction to Queue**	
Lab Objective applicable: Understand linear data structure Queue with various operations and applications.	
Lab Outcome applicable: Construct the Queue linear data structure and apply it for various computer related applications.	

Details of Quiz:

Q. No.	Question	Correct Answer	Given Answer
1	A data structure in which elements can be inserted or deleted at/from both the ends but not in the middle is?	Dequeue	Dequeue
2	A normal queue, if implemented using an array of size MAX_SIZE, gets full when?	Rear = MAX_SIZE – 1	Rear = MAX_SIZE – 1
3	The difference between queue and stack is_____	Queue use two ends of the structure, stack use only one	queue use two ends of the structure, stack use only one
4	Two variables used in queue are _____	rear and front	rear and front
5	Which one of the following is an application of Queue Data Structure?	Load Balancing	Heap Data Structure like Binary Heap, Fibonacci Heap
6	Which operation is used to add an element in the Queue?	Enqueue	Enqueue

Assignment/Experiment Evaluation:

Sr. No.	Parameters	Marks Obtained	Out of
1	Technical Understanding (Assessment based on Q and A through online quiz)		6
2	Neatness/Presentation		2
3	Punctuality		2
Date of Execution (DOE)		Total Marks Obtained	10
Date of Assessment (DOA)		Signature of Teacher	

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Course Code: **MCAL11**	Course Name: **Data Structures Lab with C and C++**	
Class: **FYMCA**	Semester: **I CBCGS (1 Year MCA)**	Academic Year: **2023-24**
Roll No: 9	Name of Student: Suchit	
Experiment No: **04**	Quiz Score:	6
Name of Experiment: **Introduction to Queue**		
Lab Objective applicable: Understand linear data structure Queue with various operations and applications.		
Lab Outcome applicable: Construct the Queue linear data structure and apply it for various computer related applications.		

Details of Quiz:

Q. No.	Question	Correct Answer	Given Answer
1	A data structure in which elements can be inserted or deleted at/from both the ends but not in the middle is?	Dequeue	Dequeue
2	A normal queue, if implemented using an array of size MAX_SIZE, gets full when?	Rear = MAX_SIZE – 1	Rear = MAX_SIZE – 1
3	The difference between queue and stack is_____	Queue use two ends of the structure, stack use only one	queue use two ends of the structure, stack use only one
4	Two variables used in queue are _____	rear and front	rear and front
5	Which one of the following is an application of Queue Data Structure?	Load Balancing	Load Balancing
6	Which operation is used to add an element in the Queue?	Enqueue	Enqueue

Assignment/Experiment Evaluation:

Sr. No.	Parameters	Marks Obtained	Out of
1	Technical Understanding (Assessment based on Q and A through online quiz)		6
2	Neatness/Presentation		2
3	Punctuality		2
Date of Execution (DOE)		Total Marks Obtained	10
Date of Assessment (DOA)		Signature of Teacher	

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Course Code: **MCAL11**	Course Name: **Data Structures Lab with C and C++**	
Class: **FYMCA**	Semester: **I CBCGS (1 Year MCA)**	Academic Year: **2023-24**
Roll No: 10	Name of Student: Bhavesh Atmaram Chaugule	
Experiment No: **04**	Quiz Score:	5
Name of Experiment: **Introduction to Queue**		
Lab Objective applicable: Understand linear data structure Queue with various operations and applications.		
Lab Outcome applicable: Construct the Queue linear data structure and apply it for various computer related applications.		

Details of Quiz:

Q. No.	Question	Correct Answer	Given Answer
1	A data structure in which elements can be inserted or deleted at/from both the ends but not in the middle is?	Dequeue	Dequeue
2	A normal queue, if implemented using an array of size MAX_SIZE, gets full when?	Rear = MAX_SIZE − 1	Rear = MAX_SIZE − 1
3	The difference between queue and stack is_____	Queue use two ends of the structure, stack use only one	queue use two ends of the structure, stack use only one
4	Two variables used in queue are _____	rear and front	rear and front
5	Which one of the following is an application of Queue Data Structure?	Load Balancing	Heap Data Structure like Binary Heap, Fibonacci Heap
6	Which operation is used to add an element in the Queue?	Enqueue	Enqueue

Assignment/Experiment Evaluation:

Sr. No.	Parameters		Marks Obtained	Out of
1	Technical Understanding (Assessment based on Q and A through online quiz)			6
2	Neatness/Presentation			2
3	Punctuality			2
Date of Execution (DOE)		Total Marks Obtained		10
Date of Assessment (DOA)		Signature of Teacher		

Course Code: **MCAL11**	Course Name: **Data Structures Lab with C and C++**	
Class: **FYMCA**	Semester: **I CBCGS (1 Year MCA)**	Academic Year: **2023-24**
Roll No: 11	Name of Student: Pranay Sharad Chavan	
Experiment No: **04**	Quiz Score:	6
Name of Experiment: **Introduction to Queue**		
Lab Objective applicable: Understand linear data structure Queue with various operations and applications.		
Lab Outcome applicable: Construct the Queue linear data structure and apply it for various computer related applications.		

Details of Quiz:

Q. No.	Question	Correct Answer	Given Answer
1	A data structure in which elements can be inserted or deleted at/from both the ends but not in the middle is?	Dequeue	Dequeue
2	A normal queue, if implemented using an array of size MAX_SIZE, gets full when?	Rear = MAX_SIZE – 1	Rear = MAX_SIZE – 1
3	The difference between queue and stack is_____	Queue use two ends of the structure, stack use only one	queue use two ends of the structure, stack use only one
4	Two variables used in queue are _____	rear and front	rear and front
5	Which one of the following is an application of Queue Data Structure?	Load Balancing	Load Balancing
6	Which operation is used to add an element in the Queue?	Enqueue	Enqueue

Assignment/Experiment Evaluation:

Sr. No.	Parameters	Marks Obtained	Out of
1	Technical Understanding (Assessment based on Q and A through online quiz)		6
2	Neatness/Presentation		2
3	Punctuality		2
Date of Execution (DOE)		Total Marks Obtained	10
Date of Assessment (DOA)		Signature of Teacher	

Course Code: **MCAL11**	Course Name: **Data Structures Lab with C and C++**	
Class: **FYMCA**	Semester: **I CBCGS (1 Year MCA)**	Academic Year: **2023-24**
Roll No: 12	Name of Student: Sahil sandip chavan	
Experiment No: **04**	Quiz Score:	5
Name of Experiment: **Introduction to Queue**		
Lab Objective applicable: Understand linear data structure Queue with various operations and applications.		
Lab Outcome applicable: Construct the Queue linear data structure and apply it for various computer related applications.		

Details of Quiz:

Q. No.	Question	Correct Answer	Given Answer
1	A data structure in which elements can be inserted or deleted at/from both the ends but not in the middle is?	Dequeue	Dequeue
2	A normal queue, if implemented using an array of size MAX_SIZE, gets full when?	Rear = MAX_SIZE – 1	Rear = MAX_SIZE – 1
3	The difference between queue and stack is_____	Queue use two ends of the structure, stack use only one	Queues requires dynamic memory but stack do not
4	Two variables used in queue are _____	rear and front	rear and front
5	Which one of the following is an application of Queue Data Structure?	Load Balancing	Load Balancing
6	Which operation is used to add an element in the Queue?	Enqueue	Enqueue

Assignment/Experiment Evaluation:

Sr. No.	Parameters	Marks Obtained	Out of
1	Technical Understanding (Assessment based on Q and A through online quiz)		6
2	Neatness/Presentation		2
3	Punctuality		2
Date of Execution (DOE)		Total Marks Obtained	10
Date of Assessment (DOA)		Signature of Teacher	

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Course Code: **MCAL11**	Course Name: **Data Structures Lab with C and C++**	
Class: **FYMCA**	Semester: **I CBCGS (1 Year MCA)**	Academic Year: **2023-24**
Roll No: 13	Name of Student: Nitant Naresh Deulkar	
Experiment No: **04**	Quiz Score:	6
Name of Experiment: **Introduction to Queue**		
Lab Objective applicable: Understand linear data structure Queue with various operations and applications.		
Lab Outcome applicable: Construct the Queue linear data structure and apply it for various computer related applications.		

Details of Quiz:

Q. No.	Question	Correct Answer	Given Answer
1	A data structure in which elements can be inserted or deleted at/from both the ends but not in the middle is?	Dequeue	Dequeue
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5	Which one of the following is an application of Queue Data Structure?	Load Balancing	Load Balancing
6	Which operation is used to add an element in the Queue?	Enqueue	Enqueue

Assignment/Experiment Evaluation:

Sr. No.	Parameters	Marks Obtained	Out of
1	Technical Understanding (Assessment based on Q and A through online quiz)		6
2	Neatness/Presentation		2
3	Punctuality		2
Date of Execution (DOE)		Total Marks Obtained		10
Date of Assessment (DOA)		Signature of Teacher		

Course Code: **MCAL11**	Course Name: **Data Structures Lab with C and C++**	
Class: **FYMCA**	Semester: **I CBCGS (1 Year MCA)**	Academic Year: **2023-24**
Roll No: 14	Name of Student: Yuvaraj Dattaram Dhanavade	
Experiment No: **04**	Quiz Score:	6
Name of Experiment: **Introduction to Queue**		
Lab Objective applicable: Understand linear data structure Queue with various operations and applications.		
Lab Outcome applicable: Construct the Queue linear data structure and apply it for various computer related applications.		

Details of Quiz:

Q. No.	Question	Correct Answer	Given Answer
1	A data structure in which elements can be inserted or deleted at/from both the ends but not in the middle is?	Dequeue	Dequeue
2	A normal queue, if implemented using an array of size MAX_SIZE, gets full when?	Rear = MAX_SIZE – 1	Rear = MAX_SIZE – 1
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5	Which one of the following is an application of Queue Data Structure?	Load Balancing	Load Balancing
6	Which operation is used to add an element in the Queue?	Enqueue	Enqueue

Assignment/Experiment Evaluation:

Sr. No.	Parameters	Marks Obtained	Out of
1	Technical Understanding (Assessment based on Q and A through online quiz)		6
2	Neatness/Presentation		2
3	Punctuality		2
Date of Execution (DOE)		Total Marks Obtained	10
Date of Assessment (DOA)		Signature of Teacher	

Course Code: **MCAL11**	Course Name: **Data Structures Lab with C and C++**	
Class: **FYMCA**	Semester: **I CBCGS (1 Year MCA)**	Academic Year: **2023-24**
Roll No: 17	Name of Student: Tejal Sakharam Ghadi	
Experiment No: **04**	Quiz Score:	5
Name of Experiment: **Introduction to Queue**		
Lab Objective applicable: Understand linear data structure Queue with various operations and applications.		
Lab Outcome applicable: Construct the Queue linear data structure and apply it for various computer related applications.		

Details of Quiz:

Q. No.	Question	Correct Answer	Given Answer
1	A data structure in which elements can be inserted or deleted at/from both the ends but not in the middle is?	Dequeue	Dequeue
2	A normal queue, if implemented using an array of size MAX_SIZE, gets full when?	Rear = MAX_SIZE – 1	Rear = MAX_SIZE – 1
3	The difference between queue and stack is_____	Queue use two ends of the structure, stack use only one	stack use two ends of the structure, queue use only one
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5	Which one of the following is an application of Queue Data Structure?	Load Balancing	Load Balancing
6	Which operation is used to add an element in the Queue?	Enqueue	Enqueue

Assignment/Experiment Evaluation:

Sr. No.	Parameters	Marks Obtained	Out of
1	Technical Understanding (Assessment based on Q and A through online quiz)		6
2	Neatness/Presentation		2
3	Punctuality		2
Date of Execution (DOE)		Total Marks Obtained	10
Date of Assessment (DOA)		Signature of Teacher	

Course Code: **MCAL11**	Course Name: **Data Structures Lab with C and C++**	
Class: **FYMCA**	Semester: **I CBCGS (1 Year MCA)**	Academic Year: **2023-24**
Roll No: 18	Name of Student: Vaishnavi Prabhakar Ghag	
Experiment No: **04**	Quiz Score:	6
Name of Experiment: **Introduction to Queue**		
Lab Objective applicable: Understand linear data structure Queue with various operations and applications.		
Lab Outcome applicable: Construct the Queue linear data structure and apply it for various computer related applications.		

Details of Quiz:

Q. No.	Question	Correct Answer	Given Answer
1	A data structure in which elements can be inserted or deleted at/from both the ends but not in the middle is?	Dequeue	Dequeue
2	A normal queue, if implemented using an array of size MAX_SIZE, gets full when?	Rear = MAX_SIZE – 1	Rear = MAX_SIZE – 1
3	The difference between queue and stack is_____	Queue use two ends of the structure, stack use only one	queue use two ends of the structure, stack use only one
4	Two variables used in queue are _____	rear and front	rear and front
5	Which one of the following is an application of Queue Data Structure?	Load Balancing	Load Balancing
6	Which operation is used to add an element in the Queue?	Enqueue	Enqueue

Assignment/Experiment Evaluation:

Sr. No.	Parameters	Marks Obtained	Out of
1	Technical Understanding (Assessment based on Q and A through online quiz)		6
2	Neatness/Presentation		2
3	Punctuality		2
Date of Execution (DOE)		Total Marks Obtained	10
Date of Assessment (DOA)		Signature of Teacher	

Course Code: **MCAL11**	Course Name: **Data Structures Lab with C and C++**	
Class: **FYMCA**	Semester: **I CBCGS (1 Year MCA)**	Academic Year: **2023-24**
Roll No: 19	Name of Student: Chandan Bhagwan Howale	
Experiment No: **04**	Quiz Score:	6
Name of Experiment: **Introduction to Queue**		
Lab Objective applicable: Understand linear data structure Queue with various operations and applications.		
Lab Outcome applicable: Construct the Queue linear data structure and apply it for various computer related applications.		

Details of Quiz:

Q. No.	Question	Correct Answer	Given Answer
1	A data structure in which elements can be inserted or deleted at/from both the ends but not in the middle is?	Dequeue	Dequeue
2	A normal queue, if implemented using an array of size MAX_SIZE, gets full when?	Rear = MAX_SIZE – 1	Rear = MAX_SIZE – 1
3	The difference between queue and stack is_____	Queue use two ends of the structure, stack use only one	queue use two ends of the structure, stack use only one
4	Two variables used in queue are _____	rear and front	rear and front
5	Which one of the following is an application of Queue Data Structure?	Load Balancing	Load Balancing
6	Which operation is used to add an element in the Queue?	Enqueue	Enqueue

Assignment/Experiment Evaluation:

Sr. No.	Parameters	Marks Obtained	Out of
1	Technical Understanding (Assessment based on Q and A through online quiz)		6
2	Neatness/Presentation		2
3	Punctuality		2
Date of Execution (DOE)		Total Marks Obtained	10
Date of Assessment (DOA)		Signature of Teacher	

Course Code: **MCAL11**	Course Name: **Data Structures Lab with C and C++**	
Class: **FYMCA**	Semester: **I CBCGS (1 Year MCA)**	Academic Year: **2023-24**
Roll No: 20	Name of Student: Uzaif Rafiq Isani	
Experiment No: **04**	Quiz Score:	6
Name of Experiment: **Introduction to Queue**		
Lab Objective applicable: Understand linear data structure Queue with various operations and applications.		
Lab Outcome applicable: Construct the Queue linear data structure and apply it for various computer related applications.		

Details of Quiz:

Q. No.	Question	Correct Answer	Given Answer
1	A data structure in which elements can be inserted or deleted at/from both the ends but not in the middle is?	Dequeue	Dequeue
2	A normal queue, if implemented using an array of size MAX_SIZE, gets full when?	Rear = MAX_SIZE – 1	Rear = MAX_SIZE – 1
3	The difference between queue and stack is_____	Queue use two ends of the structure, stack use only one	queue use two ends of the structure, stack use only one
4	Two variables used in queue are _____	rear and front	rear and front
5	Which one of the following is an application of Queue Data Structure?	Load Balancing	Load Balancing
6	Which operation is used to add an element in the Queue?	Enqueue	Enqueue

Assignment/Experiment Evaluation:

Sr. No.	Parameters	Marks Obtained	Out of
1	Technical Understanding (Assessment based on Q and A through online quiz)		6
2	Neatness/Presentation		2
3	Punctuality		2
Date of Execution (DOE)		Total Marks Obtained	10
Date of Assessment (DOA)		Signature of Teacher	

Course Code: **MCAL11**	Course Name: **Data Structures Lab with C and C++**	
Class: **FYMCA**	Semester: **I CBCGS (1 Year MCA)**	Academic Year: **2023-24**
Roll No: 21	Name of Student: Sumit Deepak Jakhal	
Experiment No: **04**	Quiz Score:	5
Name of Experiment: **Introduction to Queue**		
Lab Objective applicable: Understand linear data structure Queue with various operations and applications.		
Lab Outcome applicable: Construct the Queue linear data structure and apply it for various computer related applications.		

Details of Quiz:

Q. No.	Question	Correct Answer	Given Answer
1	A data structure in which elements can be inserted or deleted at/from both the ends but not in the middle is?	Dequeue	Dequeue
2	A normal queue, if implemented using an array of size MAX_SIZE, gets full when?	Rear = MAX_SIZE – 1	Rear = MAX_SIZE – 1
3	The difference between queue and stack is_____	Queue use two ends of the structure, stack use only one	Queues requires dynamic memory but stack do not
4	Two variables used in queue are _____	rear and front	rear and front
5	Which one of the following is an application of Queue Data Structure?	Load Balancing	Load Balancing
6	Which operation is used to add an element in the Queue?	Enqueue	Enqueue

Assignment/Experiment Evaluation:

Sr. No.	Parameters	Marks Obtained	Out of
1	Technical Understanding (Assessment based on Q and A through online quiz)		6
2	Neatness/Presentation		2
3	Punctuality		2
Date of Execution (DOE)		Total Marks Obtained	10
Date of Assessment (DOA)		Signature of Teacher	

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</td><td>HOPE Foundation's</td></tr>
<tr><td>Finolex Academy Of Management And Technology, Ratnagiri</td></tr>
</table>

	HOPE Foundation's
	Finolex Academy Of Management And Technology, Ratnagiri
	Department of MCA
Course Code: MCAL11	Course Name: **Data Structures Lab with C and C++**
Class: **FYMCA**	Semester: **I CBCGS (1 Year MCA)** Academic Year: **2023-24**
Roll No: 22	Name of Student: Neha prakash jog
Experiment No: **04**	Quiz Score: 5
Name of Experiment: **Introduction to Queue**	
Lab Objective applicable: Understand linear data structure Queue with various operations and applications.	
Lab Outcome applicable: Construct the Queue linear data structure and apply it for various computer related applications.	

Details of Quiz:

Q. No.	Question	Correct Answer	Given Answer
1	A data structure in which elements can be inserted or deleted at/from both the ends but not in the middle is?	Dequeue	Dequeue
2	A normal queue, if implemented using an array of size MAX_SIZE, gets full when?	Rear = MAX_SIZE – 1	Rear = MAX_SIZE – 1
3	The difference between queue and stack is_____	Queue use two ends of the structure, stack use only one	queue use two ends of the structure, stack use only one
4	Two variables used in queue are ____	rear and front	rear and front
5	Which one of the following is an application of Queue Data Structure?	Load Balancing	Heap Data Structure like Binary Heap, Fibonacci Heap
6	Which operation is used to add an element in the Queue?	Enqueue	Enqueue

Assignment/Experiment Evaluation:

Sr. No.	Parameters	Marks Obtained	Out of
1	Technical Understanding (Assessment based on Q and A through online quiz)		6
2	Neatness/Presentation		2
3	Punctuality		2
Date of Execution (DOE)		Total Marks Obtained	10
Date of Assessment (DOA)		Signature of Teacher	

Course Code: **MCAL11**	Course Name: **Data Structures Lab with C and C++**	
Class: **FYMCA**	Semester: **I CBCGS (1 Year MCA)**	Academic Year: **2023-24**
Roll No: 23	Name of Student: Vishal Atmaram Jogale	
Experiment No: **04**	Quiz Score:	6
Name of Experiment: **Introduction to Queue**		
Lab Objective applicable: Understand linear data structure Queue with various operations and applications.		
Lab Outcome applicable: Construct the Queue linear data structure and apply it for various computer related applications.		

Details of Quiz:

Q. No.	Question	Correct Answer	Given Answer
1	A data structure in which elements can be inserted or deleted at/from both the ends but not in the middle is?	Dequeue	Dequeue
2	A normal queue, if implemented using an array of size MAX_SIZE, gets full when?	Rear = MAX_SIZE − 1	Rear = MAX_SIZE − 1
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5	Which one of the following is an application of Queue Data Structure?	Load Balancing	Load Balancing
6	Which operation is used to add an element in the Queue?	Enqueue	Enqueue

Assignment/Experiment Evaluation:

Sr. No.	Parameters	Marks Obtained	Out of
1	Technical Understanding (Assessment based on Q and A through online quiz)		6
2	Neatness/Presentation		2
3	Punctuality		2
Date of Execution (DOE)		Total Marks Obtained	10
Date of Assessment (DOA)		Signature of Teacher	

Course Code: **MCAL11**	Course Name: **Data Structures Lab with C and C++**	
Class: **FYMCA**	Semester: **I CBCGS (1 Year MCA)**	Academic Year: **2023-24**
Roll No: 24	Name of Student: Tanmay shrikant jogalekar	
Experiment No: **04**	Quiz Score:	5
Name of Experiment: **Introduction to Queue**		
Lab Objective applicable: Understand linear data structure Queue with various operations and applications.		
Lab Outcome applicable: Construct the Queue linear data structure and apply it for various computer related applications.		

Details of Quiz:

Q. No.	Question	Correct Answer	Given Answer
1	A data structure in which elements can be inserted or deleted at/from both the ends but not in the middle is?	Dequeue	Dequeue
2	A normal queue, if implemented using an array of size MAX_SIZE, gets full when?	Rear = MAX_SIZE − 1	Rear = MAX_SIZE − 1
3	The difference between queue and stack is_____	Queue use two ends of the structure, stack use only one	queue use two ends of the structure, stack use only one
4	Two variables used in queue are ____	rear and front	rear and front
5	Which one of the following is an application of Queue Data Structure?	Load Balancing	Heap Data Structure like Binary Heap, Fibonacci Heap
6	Which operation is used to add an element in the Queue?	Enqueue	Enqueue

Assignment/Experiment Evaluation:

Sr. No.	Parameters	Marks Obtained	Out of
1	Technical Understanding (Assessment based on Q and A through online quiz)		6
2	Neatness/Presentation		2
3	Punctuality		2
Date of Execution (DOE)		Total Marks Obtained	10
Date of Assessment (DOA)		Signature of Teacher	

Course Code: **MCAL11**	Course Name: **Data Structures Lab with C and C++**	
Class: **FYMCA**	Semester: **I CBCGS (1 Year MCA)**	Academic Year: **2023-24**
Roll No: 25	Name of Student: Sanika chandrashekhar joshi	
Experiment No: **04**	Quiz Score:	6
Name of Experiment: **Introduction to Queue**		
Lab Objective applicable: Understand linear data structure Queue with various operations and applications.		
Lab Outcome applicable: Construct the Queue linear data structure and apply it for various computer related applications.		

Details of Quiz:

Q. No.	Question	Correct Answer	Given Answer
1	A data structure in which elements can be inserted or deleted at/from both the ends but not in the middle is?	Dequeue	Dequeue
2	A normal queue, if implemented using an array of size MAX_SIZE, gets full when?	Rear = MAX_SIZE – 1	Rear = MAX_SIZE – 1
3	The difference between queue and stack is_____	Queue use two ends of the structure, stack use only one	queue use two ends of the structure, stack use only one
4	Two variables used in queue are _____	rear and front	rear and front
5	Which one of the following is an application of Queue Data Structure?	Load Balancing	Load Balancing
6	Which operation is used to add an element in the Queue?	Enqueue	Enqueue

Assignment/Experiment Evaluation:

Sr. No.	Parameters	Marks Obtained	Out of
1	Technical Understanding (Assessment based on Q and A through online quiz)		6
2	Neatness/Presentation		2
3	Punctuality		2
Date of Execution (DOE)		Total Marks Obtained	10
Date of Assessment (DOA)		Signature of Teacher	

Course Code: **MCAL11**	Course Name: **Data Structures Lab with C and C++**	
Class: **FYMCA**	Semester: **I CBCGS (1 Year MCA)**	Academic Year: **2023-24**
Roll No: 26	Name of Student: Shiwali kamble	
Experiment No: **04**	Quiz Score:	6
Name of Experiment: **Introduction to Queue**		
Lab Objective applicable: Understand linear data structure Queue with various operations and applications.		
Lab Outcome applicable: Construct the Queue linear data structure and apply it for various computer related applications.		

Details of Quiz:

Q. No.	Question	Correct Answer	Given Answer
1	A data structure in which elements can be inserted or deleted at/from both the ends but not in the middle is?	Dequeue	Dequeue
2	A normal queue, if implemented using an array of size MAX_SIZE, gets full when?	Rear = MAX_SIZE − 1	Rear = MAX_SIZE − 1
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5	Which one of the following is an application of Queue Data Structure?	Load Balancing	Load Balancing
6	Which operation is used to add an element in the Queue?	Enqueue	Enqueue

Assignment/Experiment Evaluation:

Sr. No.	Parameters	Marks Obtained	Out of
1	Technical Understanding (Assessment based on Q and A through online quiz)		6
2	Neatness/Presentation		2
3	Punctuality		2
Date of Execution (DOE)		Total Marks Obtained	10
Date of Assessment (DOA)		Signature of Teacher	

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www.famt.ac.in</td><td colspan="2">HOPE Foundation's</td></tr>
<tr><td colspan="2">Finolex Academy Of Management And Technology, Ratnagiri</td></tr>
<tr><td colspan="2">Department of MCA</td></tr>
<tr><td>Course Code: MCAL11</td><td colspan="3">Course Name: Data Structures Lab with C and C++</td></tr>
<tr><td>Class: FYMCA</td><td colspan="2">Semester: I CBCGS (1 Year MCA)</td><td>Academic Year: 2023-24</td></tr>
<tr><td>Roll No: 27</td><td colspan="3">Name of Student: Karale Sanika Bhavesh</td></tr>
<tr><td>Experiment No: 04</td><td colspan="2">Quiz Score:</td><td>5</td></tr>
<tr><td colspan="4">Name of Experiment: Introduction to Queue</td></tr>
<tr><td colspan="4">Lab Objective applicable: Understand linear data structure Queue with various operations and applications.</td></tr>
<tr><td colspan="4">Lab Outcome applicable: Construct the Queue linear data structure and apply it for various computer related applications.</td></tr>
</table>

Details of Quiz:

Q. No.	Question	Correct Answer	Given Answer
1	A data structure in which elements can be inserted or deleted at/from both the ends but not in the middle is?	Dequeue	Dequeue
2	A normal queue, if implemented using an array of size MAX_SIZE, gets full when?	Rear = MAX_SIZE – 1	Rear = MAX_SIZE – 1
3	The difference between queue and stack is_____	Queue use two ends of the structure, stack use only one	queue use two ends of the structure, stack use only one
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5	Which one of the following is an application of Queue Data Structure?	Load Balancing	Heap Data Structure like Binary Heap, Fibonacci Heap
6	Which operation is used to add an element in the Queue?	Enqueue	Enqueue

Assignment/Experiment Evaluation:

Sr. No.	Parameters	Marks Obtained	Out of
1	Technical Understanding (Assessment based on Q and A through online quiz)		6
2	Neatness/Presentation		2
3	Punctuality		2
Date of Execution (DOE)		Total Marks Obtained	10
Date of Assessment (DOA)		Signature of Teacher	

	HOPE Foundation's **Finolex Academy Of Management And Technology, Ratnagiri** **Department of MCA**		
Course Code: **MCAL11**	Course Name: **Data Structures Lab with C and C++**		
Class: **FYMCA**	Semester: **I CBCGS (1 Year MCA)**		Academic Year: **2023-24**
Roll No: 28	Name of Student: Abdullah AKarim Kazi		
Experiment No: **04**		Quiz Score:	6
Name of Experiment: **Introduction to Queue**			
Lab Objective applicable: Understand linear data structure Queue with various operations and applications.			
Lab Outcome applicable: Construct the Queue linear data structure and apply it for various computer related applications.			

Details of Quiz:

Q. No.	Question	Correct Answer	Given Answer
1	A data structure in which elements can be inserted or deleted at/from both the ends but not in the middle is?	Dequeue	Dequeue
2	A normal queue, if implemented using an array of size MAX_SIZE, gets full when?	Rear = MAX_SIZE – 1	Rear = MAX_SIZE – 1
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5	Which one of the following is an application of Queue Data Structure?	Load Balancing	Load Balancing
6	Which operation is used to add an element in the Queue?	Enqueue	Enqueue

Assignment/Experiment Evaluation:

Sr. No.	Parameters	Marks Obtained	Out of
1	Technical Understanding (Assessment based on Q and A through online quiz)		6
2	Neatness/Presentation		2
3	Punctuality		2
Date of Execution (DOE)		Total Marks Obtained	10
Date of Assessment (DOA)		Signature of Teacher	

Course Code: **MCAL11**	Course Name: **Data Structures Lab with C and C++**		
Class: **FYMCA**	Semester: **I CBCGS (1 Year MCA)**		Academic Year: **2023-24**
Roll No: 30	Name of Student: Prathamesh Laxman Khape		
Experiment No: **04**		Quiz Score:	6
Name of Experiment: **Introduction to Queue**			
Lab Objective applicable: Understand linear data structure Queue with various operations and applications.			
Lab Outcome applicable: Construct the Queue linear data structure and apply it for various computer related applications.			

Details of Quiz:

Q. No.	Question	Correct Answer	Given Answer
1	A data structure in which elements can be inserted or deleted at/from both the ends but not in the middle is?	Dequeue	Dequeue
2	A normal queue, if implemented using an array of size MAX_SIZE, gets full when?	Rear = MAX_SIZE − 1	Rear = MAX_SIZE − 1
3	The difference between queue and stack is_____	Queue use two ends of the structure, stack use only one	queue use two ends of the structure, stack use only one
4	Two variables used in queue are _____	rear and front	rear and front
5	Which one of the following is an application of Queue Data Structure?	Load Balancing	Load Balancing
6	Which operation is used to add an element in the Queue?	Enqueue	Enqueue

Assignment/Experiment Evaluation:

Sr. No.	Parameters	Marks Obtained	Out of
1	Technical Understanding (Assessment based on Q and A through online quiz)		6
2	Neatness/Presentation		2
3	Punctuality		2
Date of Execution (DOE)		Total Marks Obtained	10
Date of Assessment (DOA)		Signature of Teacher	

Course Code: **MCAL11**	Course Name: **Data Structures Lab with C and C++**	
Class: **FYMCA**	Semester: **I CBCGS (1 Year MCA)**	Academic Year: **2023-24**
Roll No: 31	Name of Student: Rahul Ramesh Khedekar	
Experiment No: **04**	Quiz Score:	5
Name of Experiment: **Introduction to Queue**		
Lab Objective applicable: Understand linear data structure Queue with various operations and applications.		
Lab Outcome applicable: Construct the Queue linear data structure and apply it for various computer related applications.		

Details of Quiz:

Q. No.	Question	Correct Answer	Given Answer
1	A data structure in which elements can be inserted or deleted at/from both the ends but not in the middle is?	Dequeue	Dequeue
2	A normal queue, if implemented using an array of size MAX_SIZE, gets full when?	Rear = MAX_SIZE – 1	Rear = MAX_SIZE – 1
3	The difference between queue and stack is_____	Queue use two ends of the structure, stack use only one	Queues requires dynamic memory but stack do not
4	Two variables used in queue are _____	rear and front	rear and front
5	Which one of the following is an application of Queue Data Structure?	Load Balancing	Load Balancing
6	Which operation is used to add an element in the Queue?	Enqueue	Enqueue

Assignment/Experiment Evaluation:

Sr. No.	Parameters	Marks Obtained	Out of
1	Technical Understanding (Assessment based on Q and A through online quiz)		6
2	Neatness/Presentation		2
3	Punctuality		2
Date of Execution (DOE)		Total Marks Obtained	10
Date of Assessment (DOA)		Signature of Teacher	

	HOPE Foundation's
	Finolex Academy Of Management And Technology, Ratnagiri
	Department of MCA

Course Code: **MCAL11**	Course Name: **Data Structures Lab with C and C++**	
Class: **FYMCA**	Semester: **I CBCGS (1 Year MCA)**	Academic Year: **2023-24**
Roll No: 32	Name of Student: Aafan Ashraf Kotawdekar	
Experiment No: **04**	Quiz Score:	6
Name of Experiment: **Introduction to Queue**		
Lab Objective applicable: Understand linear data structure Queue with various operations and applications.		
Lab Outcome applicable: Construct the Queue linear data structure and apply it for various computer related applications.		

Details of Quiz:

Q. No.	Question	Correct Answer	Given Answer
1	A data structure in which elements can be inserted or deleted at/from both the ends but not in the middle is?	Dequeue	Dequeue
2	A normal queue, if implemented using an array of size MAX_SIZE, gets full when?	Rear = MAX_SIZE – 1	Rear = MAX_SIZE – 1
3	The difference between queue and stack is_____	Queue use two ends of the structure, stack use only one	queue use two ends of the structure, stack use only one
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5	Which one of the following is an application of Queue Data Structure?	Load Balancing	Load Balancing
6	Which operation is used to add an element in the Queue?	Enqueue	Enqueue

Assignment/Experiment Evaluation:

Sr. No.	Parameters	Marks Obtained	Out of
1	Technical Understanding (Assessment based on Q and A through online quiz)		6
2	Neatness/Presentation		2
3	Punctuality		2
Date of Execution (DOE)		Total Marks Obtained	10
Date of Assessment (DOA)		Signature of Teacher	

Course Code: **MCAL11**	Course Name: **Data Structures Lab with C and C++**	
Class: **FYMCA**	Semester: **I CBCGS (1 Year MCA)**	Academic Year: **2023-24**
Roll No: 33	Name of Student: Saabiqah Kotawdekar	
Experiment No: **04**	Quiz Score:	6
Name of Experiment: **Introduction to Queue**		
Lab Objective applicable: Understand linear data structure Queue with various operations and applications.		
Lab Outcome applicable: Construct the Queue linear data structure and apply it for various computer related applications.		

Details of Quiz:

Q. No.	Question	Correct Answer	Given Answer
1	A data structure in which elements can be inserted or deleted at/from both the ends but not in the middle is?	Dequeue	Dequeue
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Assignment/Experiment Evaluation:

Sr. No.	Parameters	Marks Obtained	Out of
1	Technical Understanding (Assessment based on Q and A through online quiz)		6
2	Neatness/Presentation		2
3	Punctuality		2
Date of Execution (DOE)		Total Marks Obtained	10
Date of Assessment (DOA)		Signature of Teacher	

Course Code: **MCAL11**	Course Name: **Data Structures Lab with C and C++**	
Class: **FYMCA**	Semester: **I CBCGS (1 Year MCA)**	Academic Year: **2023-24**
Roll No: 34	Name of Student: Prasad Shivaji Kumbhar	
Experiment No: **04**	Quiz Score:	6
Name of Experiment: **Introduction to Queue**		
Lab Objective applicable: Understand linear data structure Queue with various operations and applications.		
Lab Outcome applicable: Construct the Queue linear data structure and apply it for various computer related applications.		

Details of Quiz:

Q. No.	Question	Correct Answer	Given Answer
1	A data structure in which elements can be inserted or deleted at/from both the ends but not in the middle is?	Dequeue	Dequeue
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Assignment/Experiment Evaluation:

Sr. No.	Parameters	Marks Obtained	Out of
1	Technical Understanding (Assessment based on Q and A through online quiz)		6
2	Neatness/Presentation		2
3	Punctuality		2
Date of Execution (DOE)		Total Marks Obtained	10
Date of Assessment (DOA)		Signature of Teacher	

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<tr><td rowspan="2"></td><td colspan="2" align="center">HOPE Foundation's
Finolex Academy Of Management And Technology, Ratnagiri</td></tr>
<tr><td colspan="2" align="center">**Department of MCA**</td></tr>
</table>

Course Code: **MCAL11**	Course Name: **Data Structures Lab with C and C++**

Class: **FYMCA**	Semester: **I CBCGS (1 Year MCA)**	Academic Year: **2023-24**

Roll No: 35	Name of Student: Kurawle Nazrana Hamid

Experiment No: **04**	Quiz Score:	5

Name of Experiment: **Introduction to Queue**
Lab Objective applicable: Understand linear data structure Queue with various operations and applications.
Lab Outcome applicable: Construct the Queue linear data structure and apply it for various computer related applications.

Details of Quiz:

Q. No.	Question	Correct Answer	Given Answer
1	A data structure in which elements can be inserted or deleted at/from both the ends but not in the middle is?	Dequeue	Dequeue
2	A normal queue, if implemented using an array of size MAX_SIZE, gets full when?	Rear = MAX_SIZE – 1	Front = (rear + 1)mod MAX_SIZE
3	The difference between queue and stack is_____	Queue use two ends of the structure, stack use only one	queue use two ends of the structure, stack use only one
4	Two variables used in queue are _____	rear and front	rear and front
5	Which one of the following is an application of Queue Data Structure?	Load Balancing	Load Balancing
6	Which operation is used to add an element in the Queue?	Enqueue	Enqueue

Assignment/Experiment Evaluation:

Sr. No.	Parameters	Marks Obtained	Out of
1	Technical Understanding (Assessment based on Q and A through online quiz)		6
2	Neatness/Presentation		2
3	Punctuality		2
Date of Execution (DOE)		Total Marks Obtained	10
Date of Assessment (DOA)		Signature of Teacher	

Course Code: **MCAL11**	Course Name: **Data Structures Lab with C and C++**	
Class: **FYMCA**	Semester: **I CBCGS (1 Year MCA)**	Academic Year: **2023-24**
Roll No: 36	Name of Student: Aditya Main	
Experiment No: **04**	Quiz Score:	6
Name of Experiment: **Introduction to Queue**		
Lab Objective applicable: Understand linear data structure Queue with various operations and applications.		
Lab Outcome applicable: Construct the Queue linear data structure and apply it for various computer related applications.		

Details of Quiz:

Q. No.	Question	Correct Answer	Given Answer
1	A data structure in which elements can be inserted or deleted at/from both the ends but not in the middle is?	Dequeue	Dequeue
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6	Which operation is used to add an element in the Queue?	Enqueue	Enqueue

Assignment/Experiment Evaluation:

Sr. No.	Parameters	Marks Obtained	Out of
1	Technical Understanding (Assessment based on Q and A through online quiz)		6
2	Neatness/Presentation		2
3	Punctuality		2
Date of Execution (DOE)		Total Marks Obtained		10
Date of Assessment (DOA)		Signature of Teacher		

Course Code: **MCAL11**	Course Name: **Data Structures Lab with C and C++**	
Class: **FYMCA**	Semester: **I CBCGS (1 Year MCA)**	Academic Year: **2023-24**
Roll No: 37	Name of Student: Onkar Rajan Malawade	
Experiment No: **04**	Quiz Score:	6
Name of Experiment: **Introduction to Queue**		
Lab Objective applicable: Understand linear data structure Queue with various operations and applications.		
Lab Outcome applicable: Construct the Queue linear data structure and apply it for various computer related applications.		

Details of Quiz:

Q. No.	Question	Correct Answer	Given Answer
1	A data structure in which elements can be inserted or deleted at/from both the ends but not in the middle is?	Dequeue	Dequeue
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3	The difference between queue and stack is_____	Queue use two ends of the structure, stack use only one	queue use two ends of the structure, stack use only one
4	Two variables used in queue are _____	rear and front	rear and front
5	Which one of the following is an application of Queue Data Structure?	Load Balancing	Load Balancing
6	Which operation is used to add an element in the Queue?	Enqueue	Enqueue

Assignment/Experiment Evaluation:

Sr. No.	Parameters	Marks Obtained	Out of
1	Technical Understanding (Assessment based on Q and A through online quiz)		6
2	Neatness/Presentation		2
3	Punctuality		2
Date of Execution (DOE)		Total Marks Obtained		10
Date of Assessment (DOA)		Signature of Teacher		

	HOPE Foundation's
![FAMT logo]	**Finolex Academy Of Management And Technology, Ratnagiri**
	Department of MCA

Course Code: **MCAL11**	Course Name: **Data Structures Lab with C and C++**	
Class: **FYMCA**	Semester: **I CBCGS (1 Year MCA)**	Academic Year: **2023-24**
Roll No: 38	Name of Student: Neha Prafulla Malgaonkar	
Experiment No: **04**	Quiz Score:	6
Name of Experiment: **Introduction to Queue**		
Lab Objective applicable: Understand linear data structure Queue with various operations and applications.		
Lab Outcome applicable: Construct the Queue linear data structure and apply it for various computer related applications.		

Details of Quiz:

Q. No.	Question	Correct Answer	Given Answer
1	A data structure in which elements can be inserted or deleted at/from both the ends but not in the middle is?	Dequeue	Dequeue
2	A normal queue, if implemented using an array of size MAX_SIZE, gets full when?	Rear = MAX_SIZE − 1	Rear = MAX_SIZE − 1
3	The difference between queue and stack is_____	Queue use two ends of the structure, stack use only one	queue use two ends of the structure, stack use only one
4	Two variables used in queue are _____	rear and front	rear and front
5	Which one of the following is an application of Queue Data Structure?	Load Balancing	Load Balancing
6	Which operation is used to add an element in the Queue?	Enqueue	Enqueue

Assignment/Experiment Evaluation:

Sr. No.	Parameters	Marks Obtained	Out of
1	Technical Understanding (Assessment based on Q and A through online quiz)		6
2	Neatness/Presentation		2
3	Punctuality		2
Date of Execution (DOE)		Total Marks Obtained	10
Date of Assessment (DOA)		Signature of Teacher	

Course Code: **MCAL11**	Course Name: **Data Structures Lab with C and C++**	
Class: **FYMCA**	Semester: **I CBCGS (1 Year MCA)**	Academic Year: **2023-24**
Roll No: 39	Name of Student: Esha Ravindra Mandavkar	
Experiment No: **04**	Quiz Score:	6
Name of Experiment: **Introduction to Queue**		
Lab Objective applicable: Understand linear data structure Queue with various operations and applications.		
Lab Outcome applicable: Construct the Queue linear data structure and apply it for various computer related applications.		

Details of Quiz:

Q. No.	Question	Correct Answer	Given Answer
1	A data structure in which elements can be inserted or deleted at/from both the ends but not in the middle is?	Dequeue	Dequeue
2	A normal queue, if implemented using an array of size MAX_SIZE, gets full when?	Rear = MAX_SIZE − 1	Rear = MAX_SIZE − 1
3	The difference between queue and stack is_____	Queue use two ends of the structure, stack use only one	queue use two ends of the structure, stack use only one
4	Two variables used in queue are _____	rear and front	rear and front
5	Which one of the following is an application of Queue Data Structure?	Load Balancing	Load Balancing
6	Which operation is used to add an element in the Queue?	Enqueue	Enqueue

Assignment/Experiment Evaluation:

Sr. No.	Parameters	Marks Obtained	Out of
1	Technical Understanding (Assessment based on Q and A through online quiz)		6
2	Neatness/Presentation		2
3	Punctuality		2
Date of Execution (DOE)		Total Marks Obtained	10
Date of Assessment (DOA)		Signature of Teacher	

Course Code: **MCAL11**	Course Name: **Data Structures Lab with C and C++**	
Class: **FYMCA**	Semester: **I CBCGS (1 Year MCA)**	Academic Year: **2023-24**
Roll No: 40	Name of Student: Rashmi Ravindra More	
Experiment No: **04**	Quiz Score:	6
Name of Experiment: **Introduction to Queue**		
Lab Objective applicable: Understand linear data structure Queue with various operations and applications.		
Lab Outcome applicable: Construct the Queue linear data structure and apply it for various computer related applications.		

Details of Quiz:

Q. No.	Question	Correct Answer	Given Answer
1	A data structure in which elements can be inserted or deleted at/from both the ends but not in the middle is?	Dequeue	Dequeue
2	A normal queue, if implemented using an array of size MAX_SIZE, gets full when?	Rear = MAX_SIZE – 1	Rear = MAX_SIZE – 1
3	The difference between queue and stack is_____	Queue use two ends of the structure, stack use only one	queue use two ends of the structure, stack use only one
4	Two variables used in queue are _____	rear and front	rear and front
5	Which one of the following is an application of Queue Data Structure?	Load Balancing	Load Balancing
6	Which operation is used to add an element in the Queue?	Enqueue	Enqueue

Assignment/Experiment Evaluation:

Sr. No.	Parameters	Marks Obtained	Out of
1	Technical Understanding (Assessment based on Q and A through online quiz)		6
2	Neatness/Presentation		2
3	Punctuality		2
Date of Execution (DOE)		Total Marks Obtained	10
Date of Assessment (DOA)		Signature of Teacher	

Course Code: **MCAL11**	Course Name: **Data Structures Lab with C and C++**	
Class: **FYMCA**	Semester: **I CBCGS (1 Year MCA)**	Academic Year: **2023-24**
Roll No: 41	Name of Student: Rupali Ramchandra More	
Experiment No: **04**	Quiz Score:	6
Name of Experiment: **Introduction to Queue**		
Lab Objective applicable: Understand linear data structure Queue with various operations and applications.		
Lab Outcome applicable: Construct the Queue linear data structure and apply it for various computer related applications.		

Details of Quiz:

Q. No.	Question	Correct Answer	Given Answer
1	A data structure in which elements can be inserted or deleted at/from both the ends but not in the middle is?	Dequeue	Dequeue
2	A normal queue, if implemented using an array of size MAX_SIZE, gets full when?	Rear = MAX_SIZE − 1	Rear = MAX_SIZE − 1
3	The difference between queue and stack is_____	Queue use two ends of the structure, stack use only one	queue use two ends of the structure, stack use only one
4	Two variables used in queue are _____	rear and front	rear and front
5	Which one of the following is an application of Queue Data Structure?	Load Balancing	Load Balancing
6	Which operation is used to add an element in the Queue?	Enqueue	Enqueue

Assignment/Experiment Evaluation:

Sr. No.	Parameters	Marks Obtained	Out of
1	Technical Understanding (Assessment based on Q and A through online quiz)		6
2	Neatness/Presentation		2
3	Punctuality		2
Date of Execution (DOE)		Total Marks Obtained	10
Date of Assessment (DOA)		Signature of Teacher	

Course Code: **MCAL11**	Course Name: **Data Structures Lab with C and C++**	
Class: **FYMCA**	Semester: **I CBCGS (1 Year MCA)**	Academic Year: **2023-24**
Roll No: 42	Name of Student: Maahin imtiyaz mulla	
Experiment No: **04**	Quiz Score:	6
Name of Experiment: **Introduction to Queue**		
Lab Objective applicable: Understand linear data structure Queue with various operations and applications.		
Lab Outcome applicable: Construct the Queue linear data structure and apply it for various computer related applications.		

Details of Quiz:

Q. No.	Question	Correct Answer	Given Answer
1	A data structure in which elements can be inserted or deleted at/from both the ends but not in the middle is?	Dequeue	Dequeue
2	A normal queue, if implemented using an array of size MAX_SIZE, gets full when?	Rear = MAX_SIZE − 1	Rear = MAX_SIZE − 1
3	The difference between queue and stack is_____	Queue use two ends of the structure, stack use only one	queue use two ends of the structure, stack use only one
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5	Which one of the following is an application of Queue Data Structure?	Load Balancing	Load Balancing
6	Which operation is used to add an element in the Queue?	Enqueue	Enqueue

Assignment/Experiment Evaluation:

Sr. No.	Parameters	Marks Obtained	Out of
1	Technical Understanding (Assessment based on Q and A through online quiz)		6
2	Neatness/Presentation		2
3	Punctuality		2
Date of Execution (DOE)		Total Marks Obtained	10
Date of Assessment (DOA)		Signature of Teacher	

Course Code: **MCAL11**	Course Name: **Data Structures Lab with C and C++**	
Class: **FYMCA**	Semester: **I CBCGS (1 Year MCA)**	Academic Year: **2023-24**
Roll No: 42	Name of Student: Maahin imtiyaz mulla	
Experiment No: **04**	Quiz Score:	6
Name of Experiment: **Introduction to Queue**		
Lab Objective applicable: Understand linear data structure Queue with various operations and applications.		
Lab Outcome applicable: Construct the Queue linear data structure and apply it for various computer related applications.		

Details of Quiz:

Q. No.	Question	Correct Answer	Given Answer
1	A data structure in which elements can be inserted or deleted at/from both the ends but not in the middle is?	Dequeue	Dequeue
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Assignment/Experiment Evaluation:

Sr. No.	Parameters	Marks Obtained	Out of
1	Technical Understanding (Assessment based on Q and A through online quiz)		6
2	Neatness/Presentation		2
3	Punctuality		2
Date of Execution (DOE)		Total Marks Obtained	10
Date of Assessment (DOA)		Signature of Teacher	

Course Code: **MCAL11**	Course Name: **Data Structures Lab with C and C++**
Class: **FYMCA**	Semester: **I CBCGS (1 Year MCA)** Academic Year: **2023-24**
Roll No: 43	Name of Student: Sayali Sujit Mungekar
Experiment No: **04**	Quiz Score: 6
Name of Experiment: **Introduction to Queue**	
Lab Objective applicable: Understand linear data structure Queue with various operations and applications.	
Lab Outcome applicable: Construct the Queue linear data structure and apply it for various computer related applications.	

Details of Quiz:

Q. No.	Question	Correct Answer	Given Answer
1	A data structure in which elements can be inserted or deleted at/from both the ends but not in the middle is?	Dequeue	Dequeue
2	A normal queue, if implemented using an array of size MAX_SIZE, gets full when?	Rear = MAX_SIZE – 1	Rear = MAX_SIZE – 1
3	The difference between queue and stack is_____	Queue use two ends of the structure, stack use only one	queue use two ends of the structure, stack use only one
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6	Which operation is used to add an element in the Queue?	Enqueue	Enqueue

Assignment/Experiment Evaluation:

Sr. No.	Parameters	Marks Obtained	Out of
1	Technical Understanding (Assessment based on Q and A through online quiz)		6
2	Neatness/Presentation		2
3	Punctuality		2
Date of Execution (DOE)		Total Marks Obtained	10
Date of Assessment (DOA)		Signature of Teacher	

Course Code: **MCAL11**	Course Name: **Data Structures Lab with C and C++**	
Class: **FYMCA**	Semester: **I CBCGS (1 Year MCA)**	Academic Year: **2023-24**
Roll No: 45	Name of Student: Satyajit Panchal	
Experiment No: **04**	Quiz Score:	6
Name of Experiment: **Introduction to Queue**		
Lab Objective applicable: Understand linear data structure Queue with various operations and applications.		
Lab Outcome applicable: Construct the Queue linear data structure and apply it for various computer related applications.		

Details of Quiz:

Q. No.	Question	Correct Answer	Given Answer
1	A data structure in which elements can be inserted or deleted at/from both the ends but not in the middle is?	Dequeue	Dequeue
2	A normal queue, if implemented using an array of size MAX_SIZE, gets full when?	Rear = MAX_SIZE – 1	Rear = MAX_SIZE – 1
3	The difference between queue and stack is_____	Queue use two ends of the structure, stack use only one	queue use two ends of the structure, stack use only one
4	Two variables used in queue are _____	rear and front	rear and front
5	Which one of the following is an application of Queue Data Structure?	Load Balancing	Load Balancing
6	Which operation is used to add an element in the Queue?	Enqueue	Enqueue

Assignment/Experiment Evaluation:

Sr. No.	Parameters	Marks Obtained	Out of
1	Technical Understanding (Assessment based on Q and A through online quiz)		6
2	Neatness/Presentation		2
3	Punctuality		2
Date of Execution (DOE)		Total Marks Obtained	10
Date of Assessment (DOA)		Signature of Teacher	

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	Department of MCA

Course Code: **MCAL11**	Course Name: **Data Structures Lab with C and C++**	
Class: **FYMCA**	Semester: **I CBCGS (1 Year MCA)**	Academic Year: **2023-24**
Roll No: 46	Name of Student: Kaustubh	
Experiment No: **04**	Quiz Score:	6
Name of Experiment: **Introduction to Queue**		
Lab Objective applicable: Understand linear data structure Queue with various operations and applications.		
Lab Outcome applicable: Construct the Queue linear data structure and apply it for various computer related applications.		

Details of Quiz:

Q. No.	Question	Correct Answer	Given Answer
1	A data structure in which elements can be inserted or deleted at/from both the ends but not in the middle is?	Dequeue	Dequeue
2	A normal queue, if implemented using an array of size MAX_SIZE, gets full when?	Rear = MAX_SIZE – 1	Rear = MAX_SIZE – 1
3	The difference between queue and stack is_____	Queue use two ends of the structure, stack use only one	queue use two ends of the structure, stack use only one
4	Two variables used in queue are _____	rear and front	rear and front
5	Which one of the following is an application of Queue Data Structure?	Load Balancing	Load Balancing
6	Which operation is used to add an element in the Queue?	Enqueue	Enqueue

Assignment/Experiment Evaluation:

Sr. No.	Parameters	Marks Obtained	Out of
1	Technical Understanding (Assessment based on Q and A through online quiz)		6
2	Neatness/Presentation		2
3	Punctuality		2
Date of Execution (DOE)		Total Marks Obtained	10
Date of Assessment (DOA)		Signature of Teacher	

Course Code: **MCAL11**	Course Name: **Data Structures Lab with C and C++**	
Class: **FYMCA**	Semester: **I CBCGS (1 Year MCA)**	Academic Year: **2023-24**
Roll No: 47	Name of Student: Kunal Parab	
Experiment No: **04**	Quiz Score:	6
Name of Experiment: **Introduction to Queue**		
Lab Objective applicable: Understand linear data structure Queue with various operations and applications.		
Lab Outcome applicable: Construct the Queue linear data structure and apply it for various computer related applications.		

Details of Quiz:

Q. No.	Question	Correct Answer	Given Answer
1	A data structure in which elements can be inserted or deleted at/from both the ends but not in the middle is?	Dequeue	Dequeue
2	A normal queue, if implemented using an array of size MAX_SIZE, gets full when?	Rear = MAX_SIZE – 1	Rear = MAX_SIZE – 1
3	The difference between queue and stack is_____	Queue use two ends of the structure, stack use only one	queue use two ends of the structure, stack use only one
4	Two variables used in queue are _____	rear and front	rear and front
5	Which one of the following is an application of Queue Data Structure?	Load Balancing	Load Balancing
6	Which operation is used to add an element in the Queue?	Enqueue	Enqueue

Assignment/Experiment Evaluation:

Sr. No.	Parameters	Marks Obtained	Out of
1	Technical Understanding (Assessment based on Q and A through online quiz)		6
2	Neatness/Presentation		2
3	Punctuality		2
Date of Execution (DOE)		Total Marks Obtained	10
Date of Assessment (DOA)		Signature of Teacher	

<table>
<tr><td rowspan="3">
FAMT</td><td colspan="2">HOPE Foundation's</td></tr>
<tr><td colspan="2">Finolex Academy Of Management And Technology, Ratnagiri</td></tr>
<tr><td colspan="2">Department of MCA</td></tr>
<tr><td>Course Code: MCAL11</td><td colspan="2">Course Name: Data Structures Lab with C and C++</td></tr>
<tr><td>Class: FYMCA</td><td>Semester: I CBCGS (1 Year MCA)</td><td>Academic Year: 2023-24</td></tr>
<tr><td>Roll No: 48</td><td colspan="2">Name of Student: Sejal Vishwajeet Parab</td></tr>
<tr><td>Experiment No: 04</td><td>Quiz Score:</td><td>6</td></tr>
<tr><td colspan="3">Name of Experiment: Introduction to Queue</td></tr>
<tr><td colspan="3">Lab Objective applicable: Understand linear data structure Queue with various operations and applications.</td></tr>
<tr><td colspan="3">Lab Outcome applicable: Construct the Queue linear data structure and apply it for various computer related applications.</td></tr>
</table>

Details of Quiz:

Q. No.	Question	Correct Answer	Given Answer
1	A data structure in which elements can be inserted or deleted at/from both the ends but not in the middle is?	Dequeue	Dequeue
2	A normal queue, if implemented using an array of size MAX_SIZE, gets full when?	Rear = MAX_SIZE − 1	Rear = MAX_SIZE − 1
3	The difference between queue and stack is_____	Queue use two ends of the structure, stack use only one	queue use two ends of the structure, stack use only one
4	Two variables used in queue are ____	rear and front	rear and front
5	Which one of the following is an application of Queue Data Structure?	Load Balancing	Load Balancing
6	Which operation is used to add an element in the Queue?	Enqueue	Enqueue

Assignment/Experiment Evaluation:

Sr. No.	Parameters	Marks Obtained	Out of
1	Technical Understanding (Assessment based on Q and A through online quiz)		6
2	Neatness/Presentation		2
3	Punctuality		2
Date of Execution (DOE)		Total Marks Obtained		10
Date of Assessment (DOA)		Signature of Teacher		

Course Code: **MCAL11**	Course Name: **Data Structures Lab with C and C++**	
Class: **FYMCA**	Semester: **I CBCGS (1 Year MCA)**	Academic Year: **2023-24**
Roll No: 50	Name of Student: Dhruv Manohar Patel	
Experiment No: **04**	Quiz Score:	6
Name of Experiment: **Introduction to Queue**		
Lab Objective applicable: Understand linear data structure Queue with various operations and applications.		
Lab Outcome applicable: Construct the Queue linear data structure and apply it for various computer related applications.		

Details of Quiz:

Q. No.	Question	Correct Answer	Given Answer
1	A data structure in which elements can be inserted or deleted at/from both the ends but not in the middle is?	Dequeue	Dequeue
2	A normal queue, if implemented using an array of size MAX_SIZE, gets full when?	Rear = MAX_SIZE – 1	Rear = MAX_SIZE – 1
3	The difference between queue and stack is_____	Queue use two ends of the structure, stack use only one	queue use two ends of the structure, stack use only one
4	Two variables used in queue are _____	rear and front	rear and front
5	Which one of the following is an application of Queue Data Structure?	Load Balancing	Load Balancing
6	Which operation is used to add an element in the Queue?	Enqueue	Enqueue

Assignment/Experiment Evaluation:

Sr. No.	Parameters	Marks Obtained	Out of
1	Technical Understanding (Assessment based on Q and A through online quiz)		6
2	Neatness/Presentation		2
3	Punctuality		2
Date of Execution (DOE)		Total Marks Obtained	10
Date of Assessment (DOA)		Signature of Teacher	

Course Code: **MCAL11**	Course Name: **Data Structures Lab with C and C++**	
Class: **FYMCA**	Semester: **I CBCGS (1 Year MCA)**	Academic Year: **2023-24**
Roll No: 51	Name of Student: Uma Ishwar Patel	
Experiment No: **04**	Quiz Score:	6
Name of Experiment: **Introduction to Queue**		
Lab Objective applicable: Understand linear data structure Queue with various operations and applications.		
Lab Outcome applicable: Construct the Queue linear data structure and apply it for various computer related applications.		

Details of Quiz:

Q. No.	Question	Correct Answer	Given Answer
1	A data structure in which elements can be inserted or deleted at/from both the ends but not in the middle is?	Dequeue	Dequeue
2	A normal queue, if implemented using an array of size MAX_SIZE, gets full when?	Rear = MAX_SIZE – 1	Rear = MAX_SIZE – 1
3	The difference between queue and stack is_____	Queue use two ends of the structure, stack use only one	queue use two ends of the structure, stack use only one
4	Two variables used in queue are _____	rear and front	rear and front
5	Which one of the following is an application of Queue Data Structure?	Load Balancing	Load Balancing
6	Which operation is used to add an element in the Queue?	Enqueue	Enqueue

Assignment/Experiment Evaluation:

Sr. No.	Parameters	Marks Obtained	Out of
1	Technical Understanding (Assessment based on Q and A through online quiz)		6
2	Neatness/Presentation		2
3	Punctuality		2
Date of Execution (DOE)		Total Marks Obtained	10
Date of Assessment (DOA)		Signature of Teacher	

Course Code: **MCAL11**	Course Name: **Data Structures Lab with C and C++**	
Class: **FYMCA**	Semester: **I CBCGS (1 Year MCA)**	Academic Year: **2023-24**
Roll No: 53	Name of Student: Jyotiraditya patil	
Experiment No: **04**	Quiz Score:	6
Name of Experiment: **Introduction to Queue**		
Lab Objective applicable: Understand linear data structure Queue with various operations and applications.		
Lab Outcome applicable: Construct the Queue linear data structure and apply it for various computer related applications.		

Details of Quiz:

Q. No.	Question	Correct Answer	Given Answer
1	A data structure in which elements can be inserted or deleted at/from both the ends but not in the middle is?	Dequeue	Dequeue
2	A normal queue, if implemented using an array of size MAX_SIZE, gets full when?	Rear = MAX_SIZE − 1	Rear = MAX_SIZE − 1
3	The difference between queue and stack is_____	Queue use two ends of the structure, stack use only one	queue use two ends of the structure, stack use only one
4	Two variables used in queue are _____	rear and front	rear and front
5	Which one of the following is an application of Queue Data Structure?	Load Balancing	Load Balancing
6	Which operation is used to add an element in the Queue?	Enqueue	Enqueue

Assignment/Experiment Evaluation:

Sr. No.	Parameters	Marks Obtained	Out of
1	Technical Understanding (Assessment based on Q and A through online quiz)		6
2	Neatness/Presentation		2
3	Punctuality		2
Date of Execution (DOE)		Total Marks Obtained	10
Date of Assessment (DOA)		Signature of Teacher	

	HOPE Foundation's
	Finolex Academy Of Management And Technology, Ratnagiri
	Department of MCA

Course Code: **MCAL11**	Course Name: **Data Structures Lab with C and C++**	
Class: **FYMCA**	Semester: **I CBCGS (1 Year MCA)**	Academic Year: **2023-24**
Roll No: 54	Name of Student: Pranali Patil	
Experiment No: **04**	Quiz Score:	6
Name of Experiment: **Introduction to Queue**		
Lab Objective applicable: Understand linear data structure Queue with various operations and applications.		
Lab Outcome applicable: Construct the Queue linear data structure and apply it for various computer related applications.		

Details of Quiz:

Q. No.	Question	Correct Answer	Given Answer
1	A data structure in which elements can be inserted or deleted at/from both the ends but not in the middle is?	Dequeue	Dequeue
2	A normal queue, if implemented using an array of size MAX_SIZE, gets full when?	Rear = MAX_SIZE – 1	Rear = MAX_SIZE – 1
3	The difference between queue and stack is_____	Queue use two ends of the structure, stack use only one	queue use two ends of the structure, stack use only one
4	Two variables used in queue are _____	rear and front	rear and front
5	Which one of the following is an application of Queue Data Structure?	Load Balancing	Load Balancing
6	Which operation is used to add an element in the Queue?	Enqueue	Enqueue

Assignment/Experiment Evaluation:

Sr. No.	Parameters	Marks Obtained	Out of
1	Technical Understanding (Assessment based on Q and A through online quiz)		6
2	Neatness/Presentation		2
3	Punctuality		2
Date of Execution (DOE)		Total Marks Obtained	10
Date of Assessment (DOA)		Signature of Teacher	

Course Code: **MCAL11**	Course Name: **Data Structures Lab with C and C++**	
Class: **FYMCA**	Semester: **I CBCGS (1 Year MCA)**	Academic Year: **2023-24**
Roll No: 55	Name of Student: Prathamesh Tatyaso Patil	
Experiment No: **04**	Quiz Score:	5
Name of Experiment: **Introduction to Queue**		
Lab Objective applicable: Understand linear data structure Queue with various operations and applications.		
Lab Outcome applicable: Construct the Queue linear data structure and apply it for various computer related applications.		

Details of Quiz:

Q. No.	Question	Correct Answer	Given Answer
1	A data structure in which elements can be inserted or deleted at/from both the ends but not in the middle is?	Dequeue	Dequeue
2	A normal queue, if implemented using an array of size MAX_SIZE, gets full when?	Rear = MAX_SIZE – 1	Front = (rear + 1)mod MAX_SIZE
3	The difference between queue and stack is_____	Queue use two ends of the structure, stack use only one	queue use two ends of the structure, stack use only one
4	Two variables used in queue are _____	rear and front	rear and front
5	Which one of the following is an application of Queue Data Structure?	Load Balancing	Load Balancing
6	Which operation is used to add an element in the Queue?	Enqueue	Enqueue

Assignment/Experiment Evaluation:

Sr. No.	Parameters	Marks Obtained	Out of
1	Technical Understanding (Assessment based on Q and A through online quiz)		6
2	Neatness/Presentation		2
3	Punctuality		2
Date of Execution (DOE)		Total Marks Obtained	10
Date of Assessment (DOA)		Signature of Teacher	

Course Code: **MCAL11**	Course Name: **Data Structures Lab with C and C++**
Class: **FYMCA**	Semester: **I CBCGS (1 Year MCA)** · Academic Year: **2023-24**
Roll No: 56	Name of Student: Sarthak Ashutosh Patil
Experiment No: **04**	Quiz Score: · 6
Name of Experiment: **Introduction to Queue**	
Lab Objective applicable: Understand linear data structure Queue with various operations and applications.	
Lab Outcome applicable: Construct the Queue linear data structure and apply it for various computer related applications.	

Details of Quiz:

Q. No.	Question	Correct Answer	Given Answer
1	A data structure in which elements can be inserted or deleted at/from both the ends but not in the middle is?	Dequeue	Dequeue
2	A normal queue, if implemented using an array of size MAX_SIZE, gets full when?	Rear = MAX_SIZE – 1	Rear = MAX_SIZE – 1
3	The difference between queue and stack is_____	Queue use two ends of the structure, stack use only one	queue use two ends of the structure, stack use only one
4	Two variables used in queue are _____	rear and front	rear and front
5	Which one of the following is an application of Queue Data Structure?	Load Balancing	Load Balancing
6	Which operation is used to add an element in the Queue?	Enqueue	Enqueue

Assignment/Experiment Evaluation:

Sr. No.	Parameters	Marks Obtained	Out of
1	Technical Understanding (Assessment based on Q and A through online quiz)		6
2	Neatness/Presentation		2
3	Punctuality		2
Date of Execution (DOE)		Total Marks Obtained	10
Date of Assessment (DOA)		Signature of Teacher	

Details of Quiz:

Q. No.	Question	Correct Answer	Given Answer
1	A data structure in which elements can be inserted or deleted at/from both the ends but not in the middle is?	Dequeue	Dequeue
2	A normal queue, if implemented using an array of size MAX_SIZE, gets full when?	Rear = MAX_SIZE – 1	Front = (rear + 1)mod MAX_SIZE
3	The difference between queue and stack is_____	Queue use two ends of the structure, stack use only one	queue use two ends of the structure, stack use only one
4	Two variables used in queue are _____	rear and front	rear and front
5	Which one of the following is an application of Queue Data Structure?	Load Balancing	Load Balancing
6	Which operation is used to add an element in the Queue?	Enqueue	Enqueue

Assignment/Experiment Evaluation:

Sr. No.	Parameters	Marks Obtained	Out of
1	Technical Understanding (Assessment based on Q and A through online quiz)		6
2	Neatness/Presentation		2
3	Punctuality		2
Date of Execution (DOE)		Total Marks Obtained	10
Date of Assessment (DOA)		Signature of Teacher	

Course Code: **MCAL11**	Course Name: **Data Structures Lab with C and C++**	
Class: **FYMCA**	Semester: **I CBCGS (1 Year MCA)**	Academic Year: **2023-24**
Roll No: 58	Name of Student: Swapnali Patil	
Experiment No: **04**	Quiz Score:	6
Name of Experiment: **Introduction to Queue**		
Lab Objective applicable: Understand linear data structure Queue with various operations and applications.		
Lab Outcome applicable: Construct the Queue linear data structure and apply it for various computer related applications.		

Details of Quiz:

Q. No.	Question	Correct Answer	Given Answer
1	A data structure in which elements can be inserted or deleted at/from both the ends but not in the middle is?	Dequeue	Dequeue
2	A normal queue, if implemented using an array of size MAX_SIZE, gets full when?	Rear = MAX_SIZE − 1	Rear = MAX_SIZE − 1
3	The difference between queue and stack is_____	Queue use two ends of the structure, stack use only one	queue use two ends of the structure, stack use only one
4	Two variables used in queue are _____	rear and front	rear and front
5	Which one of the following is an application of Queue Data Structure?	Load Balancing	Load Balancing
6	Which operation is used to add an element in the Queue?	Enqueue	Enqueue

Assignment/Experiment Evaluation:

Sr. No.	Parameters	Marks Obtained	Out of
1	Technical Understanding (Assessment based on Q and A through online quiz)		6
2	Neatness/Presentation		2
3	Punctuality		2
Date of Execution (DOE)		Total Marks Obtained	10
Date of Assessment (DOA)		Signature of Teacher	

Course Code: **MCAL11**	Course Name: **Data Structures Lab with C and C++**	
Class: **FYMCA**	Semester: **I CBCGS (1 Year MCA)**	Academic Year: **2023-24**
Roll No: 59	Name of Student: Vaishnavi Patil	
Experiment No: **04**	Quiz Score:	6
Name of Experiment: **Introduction to Queue**		
Lab Objective applicable: Understand linear data structure Queue with various operations and applications.		
Lab Outcome applicable: Construct the Queue linear data structure and apply it for various computer related applications.		

Details of Quiz:

Q. No.	Question	Correct Answer	Given Answer
1	A data structure in which elements can be inserted or deleted at/from both the ends but not in the middle is?	Dequeue	Dequeue
2	A normal queue, if implemented using an array of size MAX_SIZE, gets full when?	Rear = MAX_SIZE – 1	Rear = MAX_SIZE – 1
3	The difference between queue and stack is_____	Queue use two ends of the structure, stack use only one	queue use two ends of the structure, stack use only one
4	Two variables used in queue are _____	rear and front	rear and front
5	Which one of the following is an application of Queue Data Structure?	Load Balancing	Load Balancing
6	Which operation is used to add an element in the Queue?	Enqueue	Enqueue

Assignment/Experiment Evaluation:

Sr. No.	Parameters	Marks Obtained	Out of
1	Technical Understanding (Assessment based on Q and A through online quiz)		6
2	Neatness/Presentation		2
3	Punctuality		2
Date of Execution (DOE)		Total Marks Obtained	10
Date of Assessment (DOA)		Signature of Teacher	

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	Department of MCA

Course Code: **MCAL11**	Course Name: **Data Structures Lab with C and C++**	
Class: **FYMCA**	Semester: **I CBCGS (1 Year MCA)**	Academic Year: **2023-24**
Roll No: 60	Name of Student: Mithil Suresh Pawar	
Experiment No: **04**	Quiz Score:	6
Name of Experiment: **Introduction to Queue**		
Lab Objective applicable: Understand linear data structure Queue with various operations and applications.		
Lab Outcome applicable: Construct the Queue linear data structure and apply it for various computer related applications.		

Details of Quiz:

Q. No.	Question	Correct Answer	Given Answer
1	A data structure in which elements can be inserted or deleted at/from both the ends but not in the middle is?	Dequeue	Dequeue
2	A normal queue, if implemented using an array of size MAX_SIZE, gets full when?	Rear = MAX_SIZE – 1	Rear = MAX_SIZE – 1
3	The difference between queue and stack is_____	Queue use two ends of the structure, stack use only one	queue use two ends of the structure, stack use only one
4	Two variables used in queue are _____	rear and front	rear and front
5	Which one of the following is an application of Queue Data Structure?	Load Balancing	Load Balancing
6	Which operation is used to add an element in the Queue?	Enqueue	Enqueue

Assignment/Experiment Evaluation:

Sr. No.	Parameters	Marks Obtained	Out of
1	Technical Understanding (Assessment based on Q and A through online quiz)		6
2	Neatness/Presentation		2
3	Punctuality		2
Date of Execution (DOE)		Total Marks Obtained	10
Date of Assessment (DOA)		Signature of Teacher	

	HOPE Foundation's
	Finolex Academy Of Management And Technology, Ratnagiri
	Department of MCA

Course Code: **MCAL11**	Course Name: **Data Structures Lab with C and C++**	
Class: **FYMCA**	Semester: **I CBCGS (1 Year MCA)**	Academic Year: **2023-24**
Roll No: 61	Name of Student: Rahul Pawar	
Experiment No: **04**	Quiz Score:	6
Name of Experiment: **Introduction to Queue**		
Lab Objective applicable: Understand linear data structure Queue with various operations and applications.		
Lab Outcome applicable: Construct the Queue linear data structure and apply it for various computer related applications.		

Details of Quiz:

Q. No.	Question	Correct Answer	Given Answer
1	A data structure in which elements can be inserted or deleted at/from both the ends but not in the middle is?	Dequeue	Dequeue
2	A normal queue, if implemented using an array of size MAX_SIZE, gets full when?	Rear = MAX_SIZE − 1	Rear = MAX_SIZE − 1
3	The difference between queue and stack is_____	Queue use two ends of the structure, stack use only one	queue use two ends of the structure, stack use only one
4	Two variables used in queue are _____	rear and front	rear and front
5	Which one of the following is an application of Queue Data Structure?	Load Balancing	Load Balancing
6	Which operation is used to add an element in the Queue?	Enqueue	Enqueue

Assignment/Experiment Evaluation:

Sr. No.	Parameters	Marks Obtained	Out of
1	Technical Understanding (Assessment based on Q and A through online quiz)		6
2	Neatness/Presentation		2
3	Punctuality		2
Date of Execution (DOE)		Total Marks Obtained	10
Date of Assessment (DOA)		Signature of Teacher	

Course Code: **MCAL11**	Course Name: **Data Structures Lab with C and C++**	
Class: **FYMCA**	Semester: **I CBCGS (1 Year MCA)**	Academic Year: **2023-24**
Roll No: 62	Name of Student: Deepak Jagannath Pirankar	
Experiment No: **04**	Quiz Score:	6
Name of Experiment: **Introduction to Queue**		
Lab Objective applicable: Understand linear data structure Queue with various operations and applications.		
Lab Outcome applicable: Construct the Queue linear data structure and apply it for various computer related applications.		

Details of Quiz:

Q. No.	Question	Correct Answer	Given Answer
1	A data structure in which elements can be inserted or deleted at/from both the ends but not in the middle is?	Dequeue	Dequeue
2	A normal queue, if implemented using an array of size MAX_SIZE, gets full when?	Rear = MAX_SIZE – 1	Rear = MAX_SIZE – 1
3	The difference between queue and stack is_____	Queue use two ends of the structure, stack use only one	queue use two ends of the structure, stack use only one
4	Two variables used in queue are _____	rear and front	rear and front
5	Which one of the following is an application of Queue Data Structure?	Load Balancing	Load Balancing
6	Which operation is used to add an element in the Queue?	Enqueue	Enqueue

Assignment/Experiment Evaluation:

Sr. No.	Parameters	Marks Obtained	Out of
1	Technical Understanding (Assessment based on Q and A through online quiz)		6
2	Neatness/Presentation		2
3	Punctuality		2
Date of Execution (DOE)		Total Marks Obtained	10
Date of Assessment (DOA)		Signature of Teacher	

Course Code: **MCAL11**	Course Name: **Data Structures Lab with C and C++**	
Class: **FYMCA**	Semester: **I CBCGS (1 Year MCA)**	Academic Year: **2023-24**
Roll No: 63	Name of Student: Gayatri Manik Rane	
Experiment No: **04**	Quiz Score:	6
Name of Experiment: **Introduction to Queue**		
Lab Objective applicable: Understand linear data structure Queue with various operations and applications.		
Lab Outcome applicable: Construct the Queue linear data structure and apply it for various computer related applications.		

Details of Quiz:

Q. No.	Question	Correct Answer	Given Answer
1	A data structure in which elements can be inserted or deleted at/from both the ends but not in the middle is?	Dequeue	Dequeue
2	A normal queue, if implemented using an array of size MAX_SIZE, gets full when?	Rear = MAX_SIZE − 1	Rear = MAX_SIZE − 1
3	The difference between queue and stack is_____	Queue use two ends of the structure, stack use only one	queue use two ends of the structure, stack use only one
4	Two variables used in queue are _____	rear and front	rear and front
5	Which one of the following is an application of Queue Data Structure?	Load Balancing	Load Balancing
6	Which operation is used to add an element in the Queue?	Enqueue	Enqueue

Assignment/Experiment Evaluation:

Sr. No.	Parameters	Marks Obtained	Out of
1	Technical Understanding (Assessment based on Q and A through online quiz)		6
2	Neatness/Presentation		2
3	Punctuality		2
Date of Execution (DOE)		Total Marks Obtained	10
Date of Assessment (DOA)		Signature of Teacher	

Course Code: **MCAL11**	Course Name: **Data Structures Lab with C and C++**	
Class: **FYMCA**	Semester: **I CBCGS (1 Year MCA)**	Academic Year: **2023-24**
Roll No: 64	Name of Student: Aniket Mahendra Ransing	
Experiment No: **04**	Quiz Score:	6
Name of Experiment: **Introduction to Queue**		
Lab Objective applicable: Understand linear data structure Queue with various operations and applications.		
Lab Outcome applicable: Construct the Queue linear data structure and apply it for various computer related applications.		

Details of Quiz:

Q. No.	Question	Correct Answer	Given Answer
1	A data structure in which elements can be inserted or deleted at/from both the ends but not in the middle is?	Dequeue	Dequeue
2	A normal queue, if implemented using an array of size MAX_SIZE, gets full when?	Rear = MAX_SIZE − 1	Rear = MAX_SIZE − 1
3	The difference between queue and stack is_____	Queue use two ends of the structure, stack use only one	queue use two ends of the structure, stack use only one
4	Two variables used in queue are _____	rear and front	rear and front
5	Which one of the following is an application of Queue Data Structure?	Load Balancing	Load Balancing
6	Which operation is used to add an element in the Queue?	Enqueue	Enqueue

Assignment/Experiment Evaluation:

Sr. No.	Parameters	Marks Obtained	Out of
1	Technical Understanding (Assessment based on Q and A through online quiz)		6
2	Neatness/Presentation		2
3	Punctuality		2
Date of Execution (DOE)		Total Marks Obtained	10
Date of Assessment (DOA)		Signature of Teacher	

Course Code: **MCAL11**	Course Name: **Data Structures Lab with C and C++**	
Class: **FYMCA**	Semester: **I CBCGS (1 Year MCA)**	Academic Year: **2023-24**
Roll No: 66	Name of Student: Sneha Pramod Rawool	
Experiment No: **04**	Quiz Score:	6
Name of Experiment: **Introduction to Queue**		
Lab Objective applicable: Understand linear data structure Queue with various operations and applications.		
Lab Outcome applicable: Construct the Queue linear data structure and apply it for various computer related applications.		

Details of Quiz:

Q. No.	Question	Correct Answer	Given Answer
1	A data structure in which elements can be inserted or deleted at/from both the ends but not in the middle is?	Dequeue	Dequeue
2	A normal queue, if implemented using an array of size MAX_SIZE, gets full when?	Rear = MAX_SIZE − 1	Rear = MAX_SIZE − 1
3	The difference between queue and stack is_____	Queue use two ends of the structure, stack use only one	queue use two ends of the structure, stack use only one
4	Two variables used in queue are _____	rear and front	rear and front
5	Which one of the following is an application of Queue Data Structure?	Load Balancing	Load Balancing
6	Which operation is used to add an element in the Queue?	Enqueue	Enqueue

Assignment/Experiment Evaluation:

Sr. No.	Parameters	Marks Obtained	Out of
1	Technical Understanding (Assessment based on Q and A through online quiz)		6
2	Neatness/Presentation		2
3	Punctuality		2
Date of Execution (DOE)		Total Marks Obtained	10
Date of Assessment (DOA)		Signature of Teacher	

Course Code: **MCAL11**	Course Name: **Data Structures Lab with C and C++**	
Class: **FYMCA**	Semester: **I CBCGS (1 Year MCA)**	Academic Year: **2023-24**
Roll No: 67	Name of Student: Riya Unmesh Rode	
Experiment No: **04**	Quiz Score:	6
Name of Experiment: **Introduction to Queue**		
Lab Objective applicable: Understand linear data structure Queue with various operations and applications.		
Lab Outcome applicable: Construct the Queue linear data structure and apply it for various computer related applications.		

Details of Quiz:

Q. No.	Question	Correct Answer	Given Answer
1	A data structure in which elements can be inserted or deleted at/from both the ends but not in the middle is?	Dequeue	Dequeue
2	A normal queue, if implemented using an array of size MAX_SIZE, gets full when?	Rear = MAX_SIZE – 1	Rear = MAX_SIZE – 1
3	The difference between queue and stack is_____	Queue use two ends of the structure, stack use only one	queue use two ends of the structure, stack use only one
4	Two variables used in queue are _____	rear and front	rear and front
5	Which one of the following is an application of Queue Data Structure?	Load Balancing	Load Balancing
6	Which operation is used to add an element in the Queue?	Enqueue	Enqueue

Assignment/Experiment Evaluation:

Sr. No.	Parameters	Marks Obtained	Out of
1	Technical Understanding (Assessment based on Q and A through online quiz)		6
2	Neatness/Presentation		2
3	Punctuality		2
Date of Execution (DOE)		Total Marks Obtained	10
Date of Assessment (DOA)		Signature of Teacher	

Course Code: **MCAL11**	Course Name: **Data Structures Lab with C and C++**	
Class: **FYMCA**	Semester: **I CBCGS (1 Year MCA)**	Academic Year: **2023-24**
Roll No: 68	Name of Student: Anand Sagar	
Experiment No: **04**	Quiz Score:	6
Name of Experiment: **Introduction to Queue**		
Lab Objective applicable: Understand linear data structure Queue with various operations and applications.		
Lab Outcome applicable: Construct the Queue linear data structure and apply it for various computer related applications.		

Details of Quiz:

Q. No.	Question	Correct Answer	Given Answer
1	A data structure in which elements can be inserted or deleted at/from both the ends but not in the middle is?	Dequeue	Dequeue
2	A normal queue, if implemented using an array of size MAX_SIZE, gets full when?	Rear = MAX_SIZE – 1	Rear = MAX_SIZE – 1
3	The difference between queue and stack is_____	Queue use two ends of the structure, stack use only one	queue use two ends of the structure, stack use only one
4	Two variables used in queue are _____	rear and front	rear and front
5	Which one of the following is an application of Queue Data Structure?	Load Balancing	Load Balancing
6	Which operation is used to add an element in the Queue?	Enqueue	Enqueue

Assignment/Experiment Evaluation:

Sr. No.	Parameters	Marks Obtained	Out of
1	Technical Understanding (Assessment based on Q and A through online quiz)		6
2	Neatness/Presentation		2
3	Punctuality		2
Date of Execution (DOE)		Total Marks Obtained	10
Date of Assessment (DOA)		Signature of Teacher	

Details of Quiz:

Q. No.	Question	Correct Answer	Given Answer
1	A data structure in which elements can be inserted or deleted at/from both the ends but not in the middle is?	Dequeue	Dequeue
2	A normal queue, if implemented using an array of size MAX_SIZE, gets full when?	Rear = MAX_SIZE − 1	Rear = MAX_SIZE − 1
3	The difference between queue and stack is_____	Queue use two ends of the structure, stack use only one	queue use two ends of the structure, stack use only one
4	Two variables used in queue are _____	rear and front	rear and front
5	Which one of the following is an application of Queue Data Structure?	Load Balancing	Load Balancing
6	Which operation is used to add an element in the Queue?	Enqueue	Enqueue

Assignment/Experiment Evaluation:

Sr. No.	Parameters	Marks Obtained	Out of
1	Technical Understanding (Assessment based on Q and A through online quiz)		6
2	Neatness/Presentation		2
3	Punctuality		2
Date of Execution (DOE)		Total Marks Obtained	10
Date of Assessment (DOA)		Signature of Teacher	

Course Code: **MCAL11**	Course Name: **Data Structures Lab with C and C++**	
Class: **FYMCA**	Semester: **I CBCGS (1 Year MCA)**	Academic Year: **2023-24**
Roll No: 70	Name of Student: Sourabh Dattaram Sakpal	
Experiment No: **04**	Quiz Score:	6
Name of Experiment: **Introduction to Queue**		
Lab Objective applicable: Understand linear data structure Queue with various operations and applications.		
Lab Outcome applicable: Construct the Queue linear data structure and apply it for various computer related applications.		

Details of Quiz:

Q. No.	Question	Correct Answer	Given Answer
1	A data structure in which elements can be inserted or deleted at/from both the ends but not in the middle is?	Dequeue	Dequeue
2	A normal queue, if implemented using an array of size MAX_SIZE, gets full when?	Rear = MAX_SIZE – 1	Rear = MAX_SIZE – 1
3	The difference between queue and stack is_____	Queue use two ends of the structure, stack use only one	queue use two ends of the structure, stack use only one
4	Two variables used in queue are _____	rear and front	rear and front
5	Which one of the following is an application of Queue Data Structure?	Load Balancing	Load Balancing
6	Which operation is used to add an element in the Queue?	Enqueue	Enqueue

Assignment/Experiment Evaluation:

Sr. No.	Parameters	Marks Obtained	Out of
1	Technical Understanding (Assessment based on Q and A through online quiz)		6
2	Neatness/Presentation		2
3	Punctuality		2
Date of Execution (DOE)		Total Marks Obtained		10
Date of Assessment (DOA)		Signature of Teacher	

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FAMT
(logo)</td><td colspan="2">HOPE Foundation's</td></tr>
<tr><td colspan="2">Finolex Academy Of Management And Technology, Ratnagiri</td></tr>
<tr><td colspan="2">Department of MCA</td></tr>
</table>

Course Code: **MCAL11**	Course Name: **Data Structures Lab with C and C++**	
Class: **FYMCA**	Semester: **I CBCGS (1 Year MCA)**	Academic Year: **2023-24**
Roll No: 71	Name of Student: Mohini Mahesh Sathe	
Experiment No: **04**	Quiz Score:	6
Name of Experiment: **Introduction to Queue**		
Lab Objective applicable: Understand linear data structure Queue with various operations and applications.		
Lab Outcome applicable: Construct the Queue linear data structure and apply it for various computer related applications.		

Details of Quiz:

Q. No.	Question	Correct Answer	Given Answer
1	A data structure in which elements can be inserted or deleted at/from both the ends but not in the middle is?	Dequeue	Dequeue
2	A normal queue, if implemented using an array of size MAX_SIZE, gets full when?	Rear = MAX_SIZE – 1	Rear = MAX_SIZE – 1
3	The difference between queue and stack is_____	Queue use two ends of the structure, stack use only one	queue use two ends of the structure, stack use only one
4	Two variables used in queue are _____	rear and front	rear and front
5	Which one of the following is an application of Queue Data Structure?	Load Balancing	Load Balancing
6	Which operation is used to add an element in the Queue?	Enqueue	Enqueue

Assignment/Experiment Evaluation:

Sr. No.	Parameters	Marks Obtained	Out of
1	Technical Understanding (Assessment based on Q and A through online quiz)		6
2	Neatness/Presentation		2
3	Punctuality		2
Date of Execution (DOE)		Total Marks Obtained	10
Date of Assessment (DOA)		Signature of Teacher	

Course Code: **MCAL11**	Course Name: **Data Structures Lab with C and C++**	
Class: **FYMCA**	Semester: **I CBCGS (1 Year MCA)**	Academic Year: **2023-24**
Roll No: 72	Name of Student: Saurabh Satre	
Experiment No: **04**	Quiz Score:	6
Name of Experiment: **Introduction to Queue**		
Lab Objective applicable: Understand linear data structure Queue with various operations and applications.		
Lab Outcome applicable: Construct the Queue linear data structure and apply it for various computer related applications.		

Details of Quiz:

Q. No.	Question	Correct Answer	Given Answer
1	A data structure in which elements can be inserted or deleted at/from both the ends but not in the middle is?	Dequeue	Dequeue
2	A normal queue, if implemented using an array of size MAX_SIZE, gets full when?	Rear = MAX_SIZE – 1	Rear = MAX_SIZE – 1
3	The difference between queue and stack is_____	Queue use two ends of the structure, stack use only one	queue use two ends of the structure, stack use only one
4	Two variables used in queue are _____	rear and front	rear and front
5	Which one of the following is an application of Queue Data Structure?	Load Balancing	Load Balancing
6	Which operation is used to add an element in the Queue?	Enqueue	Enqueue

Assignment/Experiment Evaluation:

Sr. No.	Parameters	Marks Obtained	Out of
1	Technical Understanding (Assessment based on Q and A through online quiz)		6
2	Neatness/Presentation		2
3	Punctuality		2
Date of Execution (DOE)		Total Marks Obtained	10
Date of Assessment (DOA)		Signature of Teacher	

Course Code: **MCAL11**	Course Name: **Data Structures Lab with C and C++**	
Class: **FYMCA**	Semester: **I CBCGS (1 Year MCA)**	Academic Year: **2023-24**
Roll No: 74	Name of Student: Yash Santosh Sawant	
Experiment No: **04**	Quiz Score:	6
Name of Experiment: **Introduction to Queue**		
Lab Objective applicable: Understand linear data structure Queue with various operations and applications.		
Lab Outcome applicable: Construct the Queue linear data structure and apply it for various computer related applications.		

Details of Quiz:

Q. No.	Question	Correct Answer	Given Answer
1	A data structure in which elements can be inserted or deleted at/from both the ends but not in the middle is?	Dequeue	Dequeue
2	A normal queue, if implemented using an array of size MAX_SIZE, gets full when?	Rear = MAX_SIZE − 1	Rear = MAX_SIZE − 1
3	The difference between queue and stack is_____	Queue use two ends of the structure, stack use only one	queue use two ends of the structure, stack use only one
4	Two variables used in queue are _____	rear and front	rear and front
5	Which one of the following is an application of Queue Data Structure?	Load Balancing	Load Balancing
6	Which operation is used to add an element in the Queue?	Enqueue	Enqueue

Assignment/Experiment Evaluation:

Sr. No.	Parameters	Marks Obtained	Out of
1	Technical Understanding (Assessment based on Q and A through online quiz)		6
2	Neatness/Presentation		2
3	Punctuality		2
Date of Execution (DOE)		Total Marks Obtained	10
Date of Assessment (DOA)		Signature of Teacher	

Course Code: **MCAL11**	Course Name: **Data Structures Lab with C and C++**	
Class: **FYMCA**	Semester: **I CBCGS (1 Year MCA)**	Academic Year: **2023-24**
Roll No: 75	Name of Student: Tejal Pravesh Shenavi	
Experiment No: **04**	Quiz Score:	6
Name of Experiment: **Introduction to Queue**		
Lab Objective applicable: Understand linear data structure Queue with various operations and applications.		
Lab Outcome applicable: Construct the Queue linear data structure and apply it for various computer related applications.		

Details of Quiz:

Q. No.	Question	Correct Answer	Given Answer
1	A data structure in which elements can be inserted or deleted at/from both the ends but not in the middle is?	Dequeue	Dequeue
2	A normal queue, if implemented using an array of size MAX_SIZE, gets full when?	Rear = MAX_SIZE − 1	Rear = MAX_SIZE − 1
3	The difference between queue and stack is_____	Queue use two ends of the structure, stack use only one	queue use two ends of the structure, stack use only one
4	Two variables used in queue are ـــــ	rear and front	rear and front
5	Which one of the following is an application of Queue Data Structure?	Load Balancing	Load Balancing
6	Which operation is used to add an element in the Queue?	Enqueue	Enqueue

Assignment/Experiment Evaluation:

Sr. No.	Parameters	Marks Obtained	Out of
1	Technical Understanding (Assessment based on Q and A through online quiz)		6
2	Neatness/Presentation		2
3	Punctuality		2
Date of Execution (DOE)		Total Marks Obtained	10
Date of Assessment (DOA)		Signature of Teacher	

Course Code: **MCAL11**	Course Name: **Data Structures Lab with C and C++**	
Class: **FYMCA**	Semester: **I CBCGS (1 Year MCA)**	Academic Year: **2023-24**
Roll No: 76	Name of Student: Aditya Sanjay Shinde	
Experiment No: **04**	Quiz Score:	6
Name of Experiment: **Introduction to Queue**		
Lab Objective applicable: Understand linear data structure Queue with various operations and applications.		
Lab Outcome applicable: Construct the Queue linear data structure and apply it for various computer related applications.		

Details of Quiz:

Q. No.	Question	Correct Answer	Given Answer
1	A data structure in which elements can be inserted or deleted at/from both the ends but not in the middle is?	Dequeue	Dequeue
2	A normal queue, if implemented using an array of size MAX_SIZE, gets full when?	Rear = MAX_SIZE − 1	Rear = MAX_SIZE − 1
3	The difference between queue and stack is_____	Queue use two ends of the structure, stack use only one	queue use two ends of the structure, stack use only one
4	Two variables used in queue are _____	rear and front	rear and front
5	Which one of the following is an application of Queue Data Structure?	Load Balancing	Load Balancing
6	Which operation is used to add an element in the Queue?	Enqueue	Enqueue

Assignment/Experiment Evaluation:

Sr. No.	Parameters	Marks Obtained	Out of
1	Technical Understanding (Assessment based on Q and A through online quiz)		6
2	Neatness/Presentation		2
3	Punctuality		2
Date of Execution (DOE)		Total Marks Obtained	10
Date of Assessment (DOA)		Signature of Teacher	

Course Code: **MCAL11**	Course Name: **Data Structures Lab with C and C++**	
Class: **FYMCA**	Semester: **I CBCGS (1 Year MCA)**	Academic Year: **2023-24**
Roll No: 77	Name of Student: Suyash Sandip Shinde	
Experiment No: **04**	Quiz Score:	6
Name of Experiment: **Introduction to Queue**		
Lab Objective applicable: Understand linear data structure Queue with various operations and applications.		
Lab Outcome applicable: Construct the Queue linear data structure and apply it for various computer related applications.		

Details of Quiz:

Q. No.	Question	Correct Answer	Given Answer
1	A data structure in which elements can be inserted or deleted at/from both the ends but not in the middle is?	Dequeue	Dequeue
2	A normal queue, if implemented using an array of size MAX_SIZE, gets full when?	Rear = MAX_SIZE – 1	Rear = MAX_SIZE – 1
3	The difference between queue and stack is_____	Queue use two ends of the structure, stack use only one	queue use two ends of the structure, stack use only one
4	Two variables used in queue are _____	rear and front	rear and front
5	Which one of the following is an application of Queue Data Structure?	Load Balancing	Load Balancing
6	Which operation is used to add an element in the Queue?	Enqueue	Enqueue

Assignment/Experiment Evaluation:

Sr. No.	Parameters	Marks Obtained	Out of
1	Technical Understanding (Assessment based on Q and A through online quiz)		6
2	Neatness/Presentation		2
3	Punctuality		2
Date of Execution (DOE)		Total Marks Obtained	10
Date of Assessment (DOA)		Signature of Teacher	

Course Code: **MCAL11**	Course Name: **Data Structures Lab with C and C++**	
Class: **FYMCA**	Semester: **I CBCGS (1 Year MCA)**	Academic Year: **2023-24**
Roll No: 78	Name of Student: Yogini Shailesh Shirdhankar	
Experiment No: **04**	Quiz Score:	6
Name of Experiment: **Introduction to Queue**		
Lab Objective applicable: Understand linear data structure Queue with various operations and applications.		
Lab Outcome applicable: Construct the Queue linear data structure and apply it for various computer related applications.		

Details of Quiz:

Q. No.	Question	Correct Answer	Given Answer
1	A data structure in which elements can be inserted or deleted at/from both the ends but not in the middle is?	Dequeue	Dequeue
2	A normal queue, if implemented using an array of size MAX_SIZE, gets full when?	Rear = MAX_SIZE – 1	Rear = MAX_SIZE – 1
3	The difference between queue and stack is_____	Queue use two ends of the structure, stack use only one	queue use two ends of the structure, stack use only one
4	Two variables used in queue are _____	rear and front	rear and front
5	Which one of the following is an application of Queue Data Structure?	Load Balancing	Load Balancing
6	Which operation is used to add an element in the Queue?	Enqueue	Enqueue

Assignment/Experiment Evaluation:

Sr. No.	Parameters	Marks Obtained	Out of
1	Technical Understanding (Assessment based on Q and A through online quiz)		6
2	Neatness/Presentation		2
3	Punctuality		2
Date of Execution (DOE)		Total Marks Obtained	10
Date of Assessment (DOA)		Signature of Teacher	

Course Code: **MCAL11**	Course Name: **Data Structures Lab with C and C++**	
Class: **FYMCA**	Semester: **I CBCGS (1 Year MCA)**	Academic Year: **2023-24**
Roll No: 79	Name of Student: Pandurang devendra shirsat	
Experiment No: **04**	Quiz Score:	5
Name of Experiment: **Introduction to Queue**		
Lab Objective applicable: Understand linear data structure Queue with various operations and applications.		
Lab Outcome applicable: Construct the Queue linear data structure and apply it for various computer related applications.		

Details of Quiz:

Q. No.	Question	Correct Answer	Given Answer
1	A data structure in which elements can be inserted or deleted at/from both the ends but not in the middle is?	Dequeue	Dequeue
2	A normal queue, if implemented using an array of size MAX_SIZE, gets full when?	Rear = MAX_SIZE – 1	Rear = MAX_SIZE – 1
3	The difference between queue and stack is_____	Queue use two ends of the structure, stack use only one	Queues requires dynamic memory but stack do not
4	Two variables used in queue are _____	rear and front	rear and front
5	Which one of the following is an application of Queue Data Structure?	Load Balancing	Load Balancing
6	Which operation is used to add an element in the Queue?	Enqueue	Enqueue

Assignment/Experiment Evaluation:

Sr. No.	Parameters	Marks Obtained	Out of
1	Technical Understanding (Assessment based on Q and A through online quiz)		6
2	Neatness/Presentation		2
3	Punctuality		2
Date of Execution (DOE)		Total Marks Obtained	10
Date of Assessment (DOA)		Signature of Teacher	

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Course Code: **MCAL11**	Course Name: **Data Structures Lab with C and C++**
Class: **FYMCA**	Semester: **I CBCGS (1 Year MCA)** Academic Year: **2023-24**
Roll No: 80	Name of Student: Tukaram Vishnu Sidruk
Experiment No: **04**	Quiz Score: 6
Name of Experiment: **Introduction to Queue**	
Lab Objective applicable: Understand linear data structure Queue with various operations and applications.	
Lab Outcome applicable: Construct the Queue linear data structure and apply it for various computer related applications.	

Details of Quiz:

Q. No.	Question	Correct Answer	Given Answer
1	A data structure in which elements can be inserted or deleted at/from both the ends but not in the middle is?	Dequeue	Dequeue
2	A normal queue, if implemented using an array of size MAX_SIZE, gets full when?	Rear = MAX_SIZE – 1	Rear = MAX_SIZE – 1
3	The difference between queue and stack is_____	Queue use two ends of the structure, stack use only one	queue use two ends of the structure, stack use only one
4	Two variables used in queue are _____	rear and front	rear and front
5	Which one of the following is an application of Queue Data Structure?	Load Balancing	Load Balancing
6	Which operation is used to add an element in the Queue?	Enqueue	Enqueue

Assignment/Experiment Evaluation:

Sr. No.	Parameters	Marks Obtained	Out of
1	Technical Understanding (Assessment based on Q and A through online quiz)		6
2	Neatness/Presentation		2
3	Punctuality		2
Date of Execution (DOE)		Total Marks Obtained	10
Date of Assessment (DOA)		Signature of Teacher	

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	Department of MCA

Course Code: **MCAL11**	Course Name: **Data Structures Lab with C and C++**	
Class: **FYMCA**	Semester: **I CBCGS (1 Year MCA)**	Academic Year: **2023-24**
Roll No: 81	Name of Student: Rasika Chandrakant Tambe	
Experiment No: **04**	Quiz Score:	6
Name of Experiment: **Introduction to Queue**		
Lab Objective applicable: Understand linear data structure Queue with various operations and applications.		
Lab Outcome applicable: Construct the Queue linear data structure and apply it for various computer related applications.		

Details of Quiz:

Q. No.	Question	Correct Answer	Given Answer
1	A data structure in which elements can be inserted or deleted at/from both the ends but not in the middle is?	Dequeue	Dequeue
2	A normal queue, if implemented using an array of size MAX_SIZE, gets full when?	Rear = MAX_SIZE − 1	Rear = MAX_SIZE − 1
3	The difference between queue and stack is_____	Queue use two ends of the structure, stack use only one	queue use two ends of the structure, stack use only one
4	Two variables used in queue are _____	rear and front	rear and front
5	Which one of the following is an application of Queue Data Structure?	Load Balancing	Load Balancing
6	Which operation is used to add an element in the Queue?	Enqueue	Enqueue

Assignment/Experiment Evaluation:

Sr. No.	Parameters	Marks Obtained	Out of
1	Technical Understanding (Assessment based on Q and A through online quiz)		6
2	Neatness/Presentation		2
3	Punctuality		2
Date of Execution (DOE)		Total Marks Obtained		10
Date of Assessment (DOA)		Signature of Teacher		

Course Code: **MCAL11**	Course Name: **Data Structures Lab with C and C++**	
Class: **FYMCA**	Semester: **I CBCGS (1 Year MCA)**	Academic Year: **2023-24**
Roll No: 82	Name of Student: Omkar Sanjay Vele	
Experiment No: **04**	Quiz Score:	6
Name of Experiment: **Introduction to Queue**		
Lab Objective applicable: Understand linear data structure Queue with various operations and applications.		
Lab Outcome applicable: Construct the Queue linear data structure and apply it for various computer related applications.		

Details of Quiz:

Q. No.	Question	Correct Answer	Given Answer
1	A data structure in which elements can be inserted or deleted at/from both the ends but not in the middle is?	Dequeue	Dequeue
2	A normal queue, if implemented using an array of size MAX_SIZE, gets full when?	Rear = MAX_SIZE − 1	Rear = MAX_SIZE − 1
3	The difference between queue and stack is_____	Queue use two ends of the structure, stack use only one	queue use two ends of the structure, stack use only one
4	Two variables used in queue are _____	rear and front	rear and front
5	Which one of the following is an application of Queue Data Structure?	Load Balancing	Load Balancing
6	Which operation is used to add an element in the Queue?	Enqueue	Enqueue

Assignment/Experiment Evaluation:

Sr. No.	Parameters	Marks Obtained	Out of
1	Technical Understanding (Assessment based on Q and A through online quiz)		6
2	Neatness/Presentation		2
3	Punctuality		2
Date of Execution (DOE)		Total Marks Obtained	10
Date of Assessment (DOA)		Signature of Teacher	

Course Code: **MCAL11**	Course Name: **Data Structures Lab with C and C++**	
Class: **FYMCA**	Semester: **I CBCGS (1 Year MCA)**	Academic Year: **2023-24**
Roll No: 83	Name of Student: Mahek Wasta	
Experiment No: **04**	Quiz Score:	6
Name of Experiment: **Introduction to Queue**		
Lab Objective applicable: Understand linear data structure Queue with various operations and applications.		
Lab Outcome applicable: Construct the Queue linear data structure and apply it for various computer related applications.		

Details of Quiz:

Q. No.	Question	Correct Answer	Given Answer
1	A data structure in which elements can be inserted or deleted at/from both the ends but not in the middle is?	Dequeue	Dequeue
2	A normal queue, if implemented using an array of size MAX_SIZE, gets full when?	Rear = MAX_SIZE – 1	Rear = MAX_SIZE – 1
3	The difference between queue and stack is_____	Queue use two ends of the structure, stack use only one	queue use two ends of the structure, stack use only one
4	Two variables used in queue are _____	rear and front	rear and front
5	Which one of the following is an application of Queue Data Structure?	Load Balancing	Load Balancing
6	Which operation is used to add an element in the Queue?	Enqueue	Enqueue

Assignment/Experiment Evaluation:

Sr. No.	Parameters	Marks Obtained	Out of
1	Technical Understanding (Assessment based on Q and A through online quiz)		6
2	Neatness/Presentation		2
3	Punctuality		2
Date of Execution (DOE)		Total Marks Obtained	10
Date of Assessment (DOA)		Signature of Teacher	

Course Code: **MCAL11**	Course Name: **Data Structures Lab with C and C++**	
Class: **FYMCA**	Semester: **I CBCGS (1 Year MCA)**	Academic Year: **2023-24**
Roll No: 84	Name of Student: Akshay Umesh Narvekar	
Experiment No: **04**	Quiz Score:	6
Name of Experiment: **Introduction to Queue**		
Lab Objective applicable: Understand linear data structure Queue with various operations and applications.		
Lab Outcome applicable: Construct the Queue linear data structure and apply it for various computer related applications.		

Details of Quiz:

Q. No.	Question	Correct Answer	Given Answer
1	A data structure in which elements can be inserted or deleted at/from both the ends but not in the middle is?	Dequeue	Dequeue
2	A normal queue, if implemented using an array of size MAX_SIZE, gets full when?	Rear = MAX_SIZE – 1	Rear = MAX_SIZE – 1
3	The difference between queue and stack is_____	Queue use two ends of the structure, stack use only one	queue use two ends of the structure, stack use only one
4	Two variables used in queue are _____	rear and front	rear and front
5	Which one of the following is an application of Queue Data Structure?	Load Balancing	Load Balancing
6	Which operation is used to add an element in the Queue?	Enqueue	Enqueue

Assignment/Experiment Evaluation:

Sr. No.	Parameters	Marks Obtained	Out of
1	Technical Understanding (Assessment based on Q and A through online quiz)		6
2	Neatness/Presentation		2
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Date of Execution (DOE)		Total Marks Obtained	10
Date of Assessment (DOA)		Signature of Teacher	