D D M M Y Y Y Y

output:

Enter Day	Date	Activity
Monday	13	movie.
Tuesday	14	Reading
Wednesday	15	writing
Thursday	16	Drawing
Friday	17	Reading
Saturday	18	Testing
Sunday	19	Badminton

weeks activity.

Monday : Movie.
Tuesday : Reading
Wednesday : Drawing
Friday : Reading
saturday : Testing
sunday : Badminton.

Output:

1

Enter the main string: jungle
Enter the pat string: J
Enter the replace string: m
resultant string is: mungle.

2 output:

Enter the main string: hello
Enter the pat string: m
Enter the replace string: n
pattern string is not found.

D D M M Y Y Y Y

(3)

Output :-

```
MENU
Press 1: push   2: pop   3: display   4: palindrome
 5: exit
Enter your choice : 1
enter the item to be inserted
 10

MENU
Press 1: push   2: pop   3: display   4: palindrome
 5: exit
Enter your choice : 1
enter the item to be inserted
 20

MENU
Press 1: Push   2: POP   3: display   4: palindrome
 5: exit
enter your choice : 1
ender the item to be inserted
 10

MENU
Press 1: push   2: POP   3: display   4: palindrome
 5: exit
enter your choice : 2
 item popped : 10
```

MENU

press 1:push 2:pop 3:display 4:palindrome
5:exit

Enter your choice : 1

enter the item to be inserted

10

MENU

press 1:push 2:pop 3:display 4:palindrome
5:exit

Enter your choice : 3

STACK ELEMENTS ARE :

10 20 10

MENU

press 1:push 2:pop 3:display 4:palindrome
5:exit

Enter your choice : 4

STACK ELEMENTS ARE :

10 20 10

REVERSE STACK ELEMENTS ARE :

10 20 10

It is a palindrome

MENU

press 1: push 2: pop 3: display 4: palindrome

5: exit

Enter your choice : 5

(4)

Output :

1) Enter infix expression :
a + b * c
postfix expression is
a b c * +

2) enter infix expression :
(a + b) * c
postfix expression is
a b + c *

1) Enter postfix expression:

5 3 + 8 2 - *

value of expression : 48

2) Enter postfix expression:

5 6 7 + -

value of expression : -8

(6)

Output :

```
Enter no. of discs
3
Number of Moves : 7
Move disc 1 from A to C
Move disc 2 from A to B
Move disc 1 from C to B
Move disc 3 from A to C
Move disc 1 from B to A
Move disc 2 from B to C
Move disc 1 from A to C
```

Sl. No	Criteria	Maximum Marks=50	
		Max. Marks	Marks Obtained
1	Understanding & Willingness	15	13
2	Correctness	15	14
3	Results obt.	10	10
4	Viva-Voce	10	9

Output:

1: Insert 2: Delete 3: Display 4: Exit

Enter your Choice : 1
enter item to insert : 4
item inserted is 4

Enter your Choice : 1
Enter your item to insert : 5
item inserted is 5

Enter your choice : 1
enter item to insert : 6
item inserted is 6

enter your Choice : 2
item deleted is 4
Enter your Choice : 3
f : 1 , r = -1

CQ CONTENTS :
5 6

Enter your Choice : 4

output:

Enter your choice for SLL operation

1. Create SLL of student Nodes
2. display stats
3. insertion at end
4. Delete at end
5. stack demo using SLL
6. Exit.

Enter your choice 1
Enter the no. of student 4
Enter the USN, name, branch, Sem, phone, no of the student.
10
Riya
CSE
3
21 234568

D D M M Y Y Y Y

Enter the usn, nam, branch, sem, phone no of the stud

"

nihar

ece

3

2345324c7

Enter the usn, name branch, sem, phone no of stud

12.

niya

eee

3

3434345896 7

Enter the usn name, branch, sem, phone no of stud

13

bom?

ISE

5617677656

D D M M Y Y Y Y

MENU

— " —

Enter your choice 2.

the content of SLL:

||1|| USN 13 | Name: Riya | branch: ISE | sem: 3 || ph: 5656...
||2|| USN 12 | Name: nihar | branch: EEE | sem: 3 || ph: 2345...
||3|| USN 11 | Name: niya | branch: ECE | sem: 3 || ph: 2626...
||4|| USN 10 | Name: bumi | branch: CSE | sem: 3 || : 561...

no of student node is 4

MENU :

— " —

enter Choice 3:

Enter the usn, name, branch, sem, phone. no of studnt
15
EMI:
CSE
3
45 7643245

MENU

Enter your choice 4

the student node with the USN 13 is deleted

MENU

Enter your choice 5

Stack demo using SLL

1: push operation

2: pop operation

3: display

Enter your choice for stack demo:

Enter the usn, name, branch, sem, phone, no of

12

Arya

ECE

3

3456789.10

stack demo using SLL

1: push operation

2: pop operation

3: display

Enter your choice for stack demo 2

the studed node with USN 12 is deleted.

stack demo using SLL

1: push operation

2: pop operation

3: display.

Enter your choice for stack demo 3

the content of SLL:

||1|| USN 13 | name : Riya | branch ise | sem : 3 || ph : 5656...

||2|| USN 12 | name : nila | branch eee | sem : 3 || ph : 3456 78

||3|| USN 10 | name : niya | branch ece | sem : 3 || ph : 3232...

||4|| USN 10 | name : tanu | branch cse | sem : 3 || ph : 2123...

no. of studed node is 4.

Stack demo using SLL

1: push operation

2: pop operation

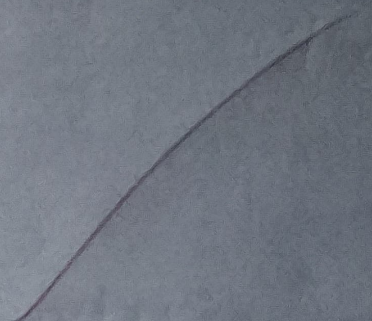
3: display.

Enter your choice for stack demo 6

Menu

— " —

Enter your choice : 6



D D M M Y Y Y Y

Output :-

~~~ Menu ~~~

Enter your choice for DLL operation
1. Create DLL of employee nodes
2. Display all of employee node
3. Display status
4. Insert at end
5. Delete at end
6. Insert at front
7. Delet at front
8. De-queue Demo using DLL
9. Exit

enter your choice : 1

Enter the no. of employee : 1
Enter the SSN, name, dept, designation, sal, phone. No of the employee.

2 1
Rohan
IT
Manager
20000
12121212 12

~~~ Menu ~~~

EN

D D M M Y Y Y Y

WWW Menu WWW

Enter your choice for DLL operation

1. Create DLL of employee nodes
2. Display status
3. Insert at end
4. Delete at end
5. Insert at front
6. Delete at front
7. De-queue Demo using DLL
8. Exit

Enter your Choice : 2

The contents of DLL:

|1| SSN : 21 |Name : rohan|dept : IT|design : manager|sal : 20000|ph No : 12 12 12 12 12

No of employee nodes is 1

WWW Menu WWW

1. Create DLL of employee nodes
2. Display status
3. Insert at end
4. Delete at end
5. Insert at front
6. Delete at front
7. De-queue Demo using DLL
8. Exit.

Enter your Choice : 3

Enter the ssn, name, dept, designation, sal, phone no. of the employee

22

rohan

Intro

Head

45,000

9393939393

~~~ Menu ~~~

1. Create DLL of employee Node

2. Display status

:

:

Enter your Choice : 2

The contents of DLL

||1|| SSN 2 | Name : rohan | dept : Intro | design : manager | sal : 20000 | ph no : 121212

||2|| SSN 2 | Name : rohan | dept : info | design : Head | sal : 45000 | ph no : 9356453228

No of employee node is 2
~~~

~~~ Menu ~~~

Enter your choice for DLL operation

1. create DLL of employee nodes
2. Display all of employee nodes
3. Display status
4. Insert at end
5. Delete at end
6. Insert at front
7. Delete at front.
8. De-queue Demo using DLL
9. Exit.

enter your choice : 6.

enter the SSN, name, dept, designation, sal, phone No of the employee.

20
virat
Tech.
Head.
500000
9191818177

~~~ Menu ~~~

Exit !

:

Enter your choice : 2

The content of DLL :

||1|| SSN 20| Name : virat |dept :tech |design : Head |sal : 50000|
ph No : 9191914 90.

||2|| SSN : 21 |Name : rohan |dept : IT |design : manager |sal : 30000|
ph No. 4212121272.

||3|| SSN : 22 Name : manju |dept : info|design : Head |sal : 45000|
ph No 9356431681

No. of employee nodes is 3

~~~ Menu ~~~

:

Enter your choice : 5

The remployee node with ssn : 22 is deleted.

~~~ Menu ~~~

:

Enter your choice : 2

The content of DLL :

||1|| SSN : 20| Name : virat |dept : tech |design : Head |sal 50000|
ph No : 9191818178

||2|| SSN : 21 |Name : rohan |dept : IT |design : manager |
sal : 20000 | ph No : 42 12121 2172

SJBIT

No. of employee node is 2.

~~~ Menu ~~~

— " —

enter your choice : 7

The employee node with SSN : 20 is deleted

~~~ Menu ~~~

— " —

Enter your choice : 2

The content of DLL :

H ||| SSN : 21 | Name : rohan | dept : IT | design : manager | sal : 20000

Ph No 4212121212

No of employee nodes is 1

~~~ Menu ~~~

— " —

enter your choice : 8.

~~~ DE - QUEUE Demo using DLL ~~~

1: Enqueue Front.
2: Dequeue Front
3: Enqueue End
4: Dequeue End
5: Display.
6: Exit.

Enter your choice for De-queue demo : 1

enter the ssn, name, dept, designation, sal, phone No of the employee

23

Mom

IT

Manager

10 0000

9009009981

~~~ De-queue demo using DLL ~~~

Enter your choice for De-queue demo : 3

Enter the ssn, name, dept, designation sal, phone no. of the employee

24

Rio

Info

Head

70 000

9884070107

Enter your choice for de-queue demo : 5

The contents of DLL :

|||| SSN : 21 | Name : rolon | dept : IT | desgn : manager | sal : 20000 | ph No : 9009 009981

No of employee node is 2.

~~~ De-queue Demo using DLL ~~~

:

Enter your choice for De-queue Demo : 6

:

~~~ MENU ~~~

Enter your choice : 9.

Sl. No.	Criteria	Maximum Marks=50	
		Max. Marks	Marks Obtained
1	Understanding & Writeup(W)	15	
2	Conduction(C)	15	
3	Results (R)	10	
4	Viva-V	10	
	Total	50	

SJBIT
~~~

OUTPUT

~~~ BST Menu ~~~

1. create a BST
2. Search
3. BST Traversals:
4. Exit

Enter your choice : 1

Enter the number of elements : 12

Enter the value : 6

Enter the value : 9

Enter the value : 5

Enter the value : 2

Enter the value : 8

Enter the value : 15

Enter the value : 24

Enter the value : 14

Enter the value : 7

Enter the value : 8

Enter the value : 5

Enter the value : 2
~~~

~~~ BST MENU ~~~

1. Create a BST
2. Search
3. BST Traversals
4. Exit

Enter your choice : 2

Enter Elements to be searched : 6

key element is Present in BST

~~~ BST Menu ~~~

1. Create a BST
2. Search
3. BST Traversals.
4. Exit.

Enter your choice : 3

The preorder display: 6 5 2 9 8 7 15 14 24

The inorder display: 2 5 6 7 8 9 14 15 24

The post order display: 2 5 7 8 14 2 9 15 6 24

~~~ BST Menu ~~~

1. Create a BST
2. Search.
3. BST traversals
4. Exit

Enter your choice : 4.
~~~

(10)

Output:

Enter the no. of vertices in graph : 4

Enter the adjacency matrix:

0 1 0 1
0 0 1 0
0 0 0 0
0 0 0 0

Enter the starting vertex : 1

Menu.

==> 1. BFS: Print all nodes reachable from a given starting node

==> 2. DFS: Print all nodes reachable from a given starting node.

==> 3. Exit

Enter your choice : 1

Nodes reachable from starting vertex 1 are : 2 4 3

Menu.

D D M M Y Y Y Y

MENU

==> 1. BFS : Print all nodes reachable from a given starting node.

==> 2. DFS : Print all nodes reachable from a given starting node.

==> 3. Exit.

Enter your choice : 2

Nodes reachable from starting vertex 1 are : 2 3 4

MENU

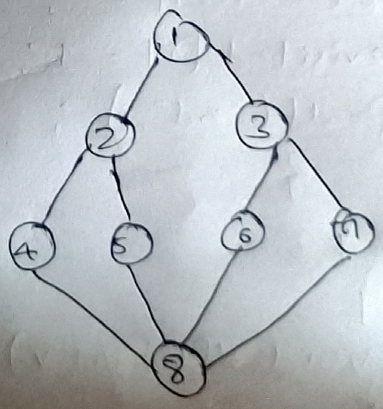
---" ---

Enter your choice : 3

Enter numbers of vertex in graph : 8

Enter the adjacency matrix :

0 1 1 0 0 0 0 0
1 0 0 1 1 0 0 0
1 0 0 0 0 1 1 0
0 1 0 0 0 0 0 1
0 1 0 0 0 0 0 1
0 0 1 0 0 0 0 1
0 0 1 0 0 0 0 1
0 0 0 1 1 1 1 0



SJBIT

D D M M Y Y Y Y

Enter the starting vertex : 1

MENU

— " —

Enter your choice : 2.

Node reachable from starting vertex 1 are:

2 3 4 5 6 7 8

MENU.

— " —

Enter your choice : 2

Enter your choice : 3. (Exit)

Sl. No.	Criteria	Maximum Marks=50	
		Max. Marks	Marks Obtained
1	Understanding & Writeup(W)	15	
2	Conduction(C)	15	
3	Results (R)	10	
4	Viva (V)	10	