OUTPUT FOR DOUBLY LINKED LIST :

```
1:insert front  2:insert rear    3:delete front  4:delete rear    5:display
6:exit
Enter the choice:        1
Enter the item at front end:     20

1:insert front  2:insert rear    3:delete front  4:delete rear    5:display
6:exit
Enter the choice:        1
Enter the item at front end:     22

1:insert front  2:insert rear    3:delete front  4:delete rear    5:display
6:exit
Enter the choice:        1
Enter the item at front end:     24

1:insert front  2:insert rear    3:delete front  4:delete rear    5:display
6:exit
Enter the choice:        2
Enter the item at rear end       30

1:insert front  2:insert rear    3:delete front  4:delete rear    5:display
6:exit
Enter the choice:        2
Enter the item at rear end       28

1:insert front  2:insert rear    3:delete front  4:delete rear    5:display
6:exit
Enter the choice:        2
Enter the item at rear end       26

1:insert front  2:insert rear    3:delete front  4:delete rear    5:display
6:exit
```

```
1:insert front  2:insert rear    3:delete front  4:delete rear    5:display
6:exit
Enter the choice:        5
contents of DQ  is :
24       22       20       30      28       26

1:insert front  2:insert rear    3:delete front  4:delete rear    5:display
6:exit
Enter the choice:        3
The node deleted is 24
1:insert front  2:insert rear    3:delete front  4:delete rear    5:display
6:exit
Enter the choice:        5
contents of DQ  is :
22       20       30       28      26

1:insert front  2:insert rear    3:delete front  4:delete rear    5:display
6:exit
Enter the choice:        4
the node deleted is 26
1:insert front  2:insert rear    3:delete front  4:delete rear    5:display
6:exit
Enter the choice:        5
contents of DQ  is :
22       20       30       28

1:ousert front  2:insert rear    3:delete front  4:delete rear    5:display
6:exit
Enter the choice:        3
The node deleted is 22
1:insert front  2:insert rear    3:delete front  4:delete rear    5:display
6:exit
```

```
the node deleted is 26
1:insert front  2:insert rear    3:delete front   4:delete rear    5:display
6:exit
Enter the choice:        5
contents of DQ  is :
22       20       30       28


1:insert front  2:insert rear    3:delete front   4:delete rear    5:display
6:exit
Enter the choice:        3
The node deleted is 22
1:insert front  2:insert rear    3:delete front   4:delete rear    5:display
6:exit
Enter the choice:        5
contents of DQ  is :
20       30       28


1:insert front  2:insert rear    3:delete front   4:delete rear    5:display
6:exit
Enter the choice:
```