

1. Consider the following doubly linear linked list and find the output of given code:

```

head                                     tail
1 <--> 2 <--> 3 <--> 4 <--> 5
4000 2000 2800 4800 3000

```

```
trav= tail;
while(trav!=NULL && trav->prev!=NULL)
{
    print("%d-->",trav->data);
    trav = trav->prev->prev;
}
```

- a.  $5 \rightarrow 3 \rightarrow 1$   
b.  $5 \rightarrow 4 \rightarrow 3 \rightarrow 2 \rightarrow 1$   
c.  $5 \rightarrow 3 \rightarrow$   
d.  $1 \rightarrow 3 \rightarrow 5$

Answer: c

2. Which of the following set of operations is used to implement stack using linked list?

- a. Add first, Del last
- b. Add first, Del first**
- c. Add last, Del first
- d. All of the above

Answer: b

3. Which of the following statement is false in case of singly circular linked list?

- a. Traversal can be done only in forward direction
- b. Previous node of any node cannot be accessed
- c. Any node of list can be revisited while traversing
- d. None of the above

Answer: c

4. Insert and remove operation is more efficient in \_\_\_\_\_.

- Singly linear linked list
- Singly circular linked list

- c. Doubly linear linked list
- d. Doubly circular linked list

Answer: d

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