b) HACKER RANK: Reverse a double linked list

CODE:

```
DoublyLinkedListNode* reverse(DoublyLinkedListNode* llist) {
   DoublyLinkedListNode* current = llist;     DoublyLinkedListNode*
temp = NULL;

   // Traverse the list and swap prev and next pointers for each node
while (current != NULL) {        temp = current->prev;        current->prev =
current->next;        current->next = temp;

      // Move to the next node
      current = current->prev;
   }

   // Update the head pointer to the last node (previous head becomes the
new tail)     if (temp != NULL) {
      llist = temp->prev;
   }

   return llist;
}
```

OUTPUT: