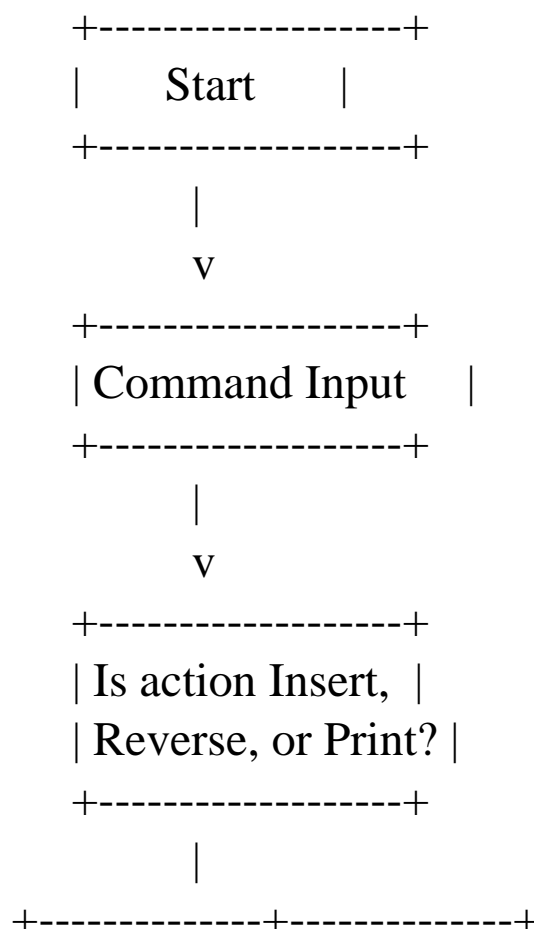


❖ Reverse Singly Linked List:

- Explanation:
- The program implements a singly linked list that allows users to insert integer values, reverse the list, and print its contents using commands entered via the console. It utilizes the `Scanner` class for input, enabling dynamic interaction. After performing the specified operations, it displays the original and reversed lists to the user.
- Time Complexity and Space Complexity:

Insert	$O(n)$	$O(1)$
Reverse	$O(n)$	$O(1)$
Print	$O(n)$	$O(1)$

- Flowchart:



Yes	Yes	Yes
v	v	v

+-----+	+-----+	+-----+
Insert Value	Reverse List	Print List
+-----+	+-----+	+-----+
v	v	v

+-----+	+-----+	+-----+						
+ <table> <tr> <td> Create New Node </td> <td> Reverse Pointers </td> <td> Traverse List </td> </tr> <tr> <td> With Value </td> <td> (Prev, Current) </td> <td> and Print Values </td> </tr> </table>			Create New Node	Reverse Pointers	Traverse List	With Value	(Prev, Current)	and Print Values
Create New Node	Reverse Pointers	Traverse List						
With Value	(Prev, Current)	and Print Values						
+-----+	+-----+	+-----+						
+								
v	v	v						

+-----+	+-----+	+-----+			
+ <table> <tr> <td> Is List Empty? </td> <td> Update Head </td> <td> Finished Printing </td> </tr> </table>			Is List Empty?	Update Head	Finished Printing
Is List Empty?	Update Head	Finished Printing			
+-----+	+-----+	+-----+			
+					
Yes No	Yes				
v	v	v			

+-----+	+-----+	+-----+
+		

