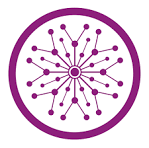
**Superior University**

**Lab no: 4**



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**Subject:** DSA (Lab)

**Submission Date:** 03-Febrary-2025

**Submission to**: Sir. Rasikh Ali

# **Task**

**Linked List (insert at specific location):**

In this code, create a class named Node and declare integer variable and a pointer of class-name Node. Create Data function to take input from user and create insert-at-start function to handle the value insert at start and update new head. Create insert-at-position function to insert data at any valid position if there is an empty linked list but when select 10th position to add new node, so this id invalid here is this condition inside the loop to valid position handling

for(int i = 1; i < position - 1; i++){

            temp = temp->next;

            if(temp == NULL){

                cout << "Invalid Position!";

                return;

            }

        }

If the position equal to 1 then run insert-at-start function and if position equal to 2 then the above loop runs position – 1 to insert at any position and then display function to display all node.

**Output:**

