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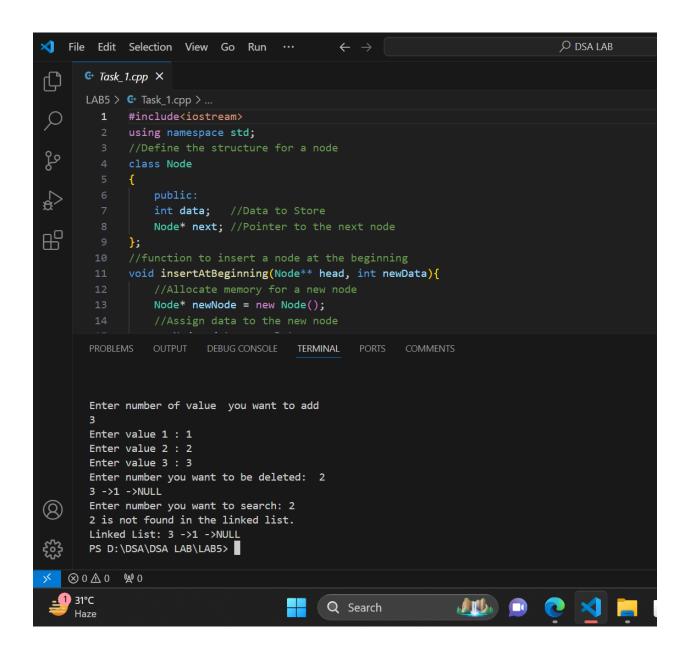
Section = BS SE 3-2

Course = Data Structures and Algorithms

Lab Task 5:

Q no1:

Code & Output:



Q no 2:

Code & Output:

```
ズ File Edit Selection View Go Run ⋯
    void printList(Node* node){
              cout<<node->data<<" ->";
              node = node->next;
           cout<<"NULL "<<endl;</pre>
           Node* head = nullptr;
           insertAtBeginning(&head, 10);
    PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS COMMENTS
     PS D:\DSA\DSA LAB> cd "d:\DSA\DSA LAB\LAB5\"; if (\$?) { g++ Task_2.cpp -0 Task_2 }; if (\$?) { .\Task_2 } 
     Original List
    30 ->20 ->10 ->NULL
     Traversed Linked List: 10 ->20 ->30 ->NULL
    PS D:\DSA\DSA LAB\LAB5>
```

Q no 4:

Code & Output:

```
File Edit Selection View Go Kun
                 1 #include<iostream>
       2 using namespace std;
          struct Node
             int data; //Data to Store
             Node* next; //Pointer to the next node
          void insertAtBeginning(Node** head, int newData){
Node* newNode = new Node();
     PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS COMMENTS
     PS D:\DSA\DSA LAB> cd "d:\DSA\DSA LAB\LAB5\" ; if (\$?) { g++ Task_4.cpp -o Task_4 } ; if (\$?) { .\Task_4 }
      Middle Node: 20
     Linked List: 30 ->20 ->10 ->NULL
     PS D:\DSA\DSA LAB\LAB5>
```