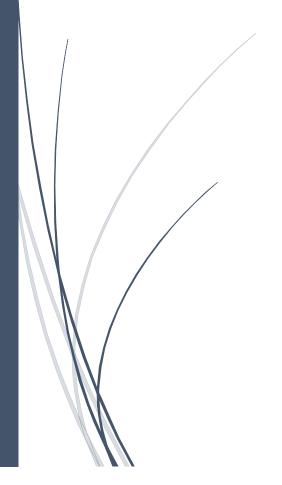
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Data Structures

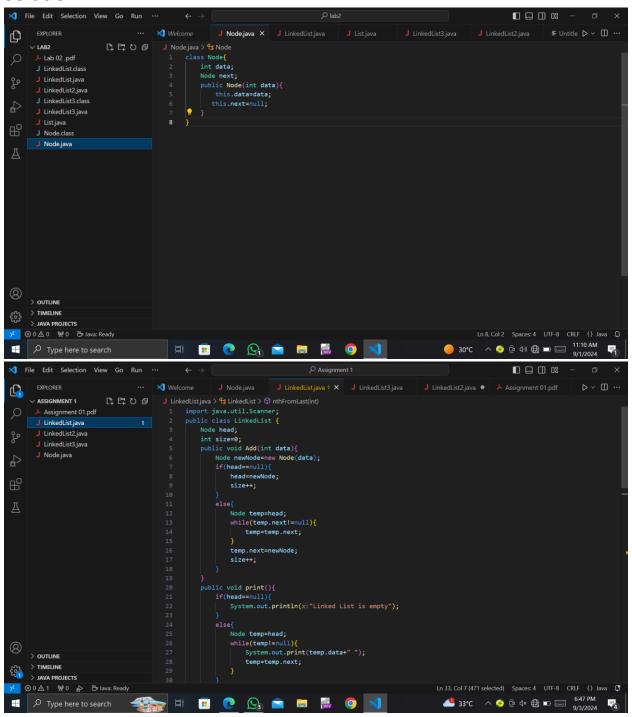
Assignment 1 Solutions

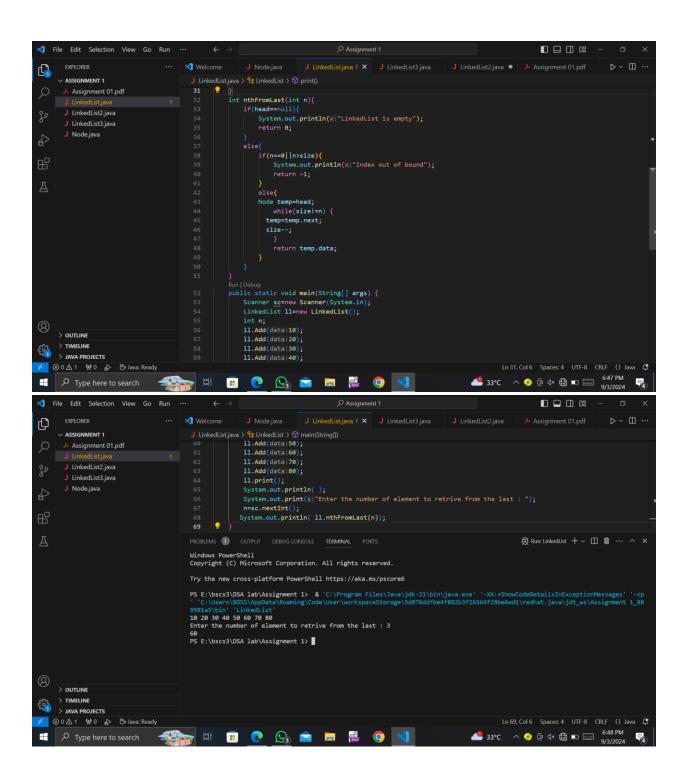


Uzair Ali S/O Yar Muhammad Memon B-S CS III Section B 023-23-0350

To: Ma'am Marina Rajpoot

Task #1



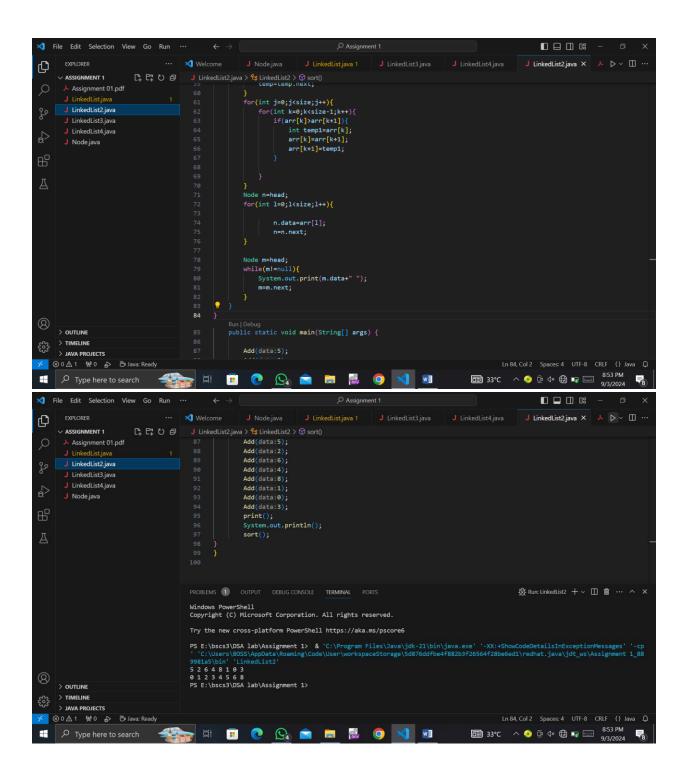


Task#2

```
J LinkedList3java 1 J LinkedList3java J LinkedList4java J LinkedList2java X 从 ▷ ∨ □ ⋯
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     EXPLORER
                      [+ E+ ひ ⑤ J LinkedList2.java > the LinkedList2 > 分 sort()
     V ASSIGNMENT 1
     Assignment 01.pdf
     J LinkedList2.java
                                             public static void Add(int data){
      J LinkedList3.java
      J LinkedList4.java
                                                 if(head==null){
   head=newNode;
                                                   Node temp=head;
while(temp.next!=null){
                                                       temp=temp.next;
                                                    temp.next=newNode;
                                                  size++;
                                             public static Node Add(int data, Node head){
                                                 Node newNode=new Node(data);
                                                 if(head==null){
                                                    return head:
    > OUTLINE
                                                    Node temp=head;
     > JAVA PROJECTS
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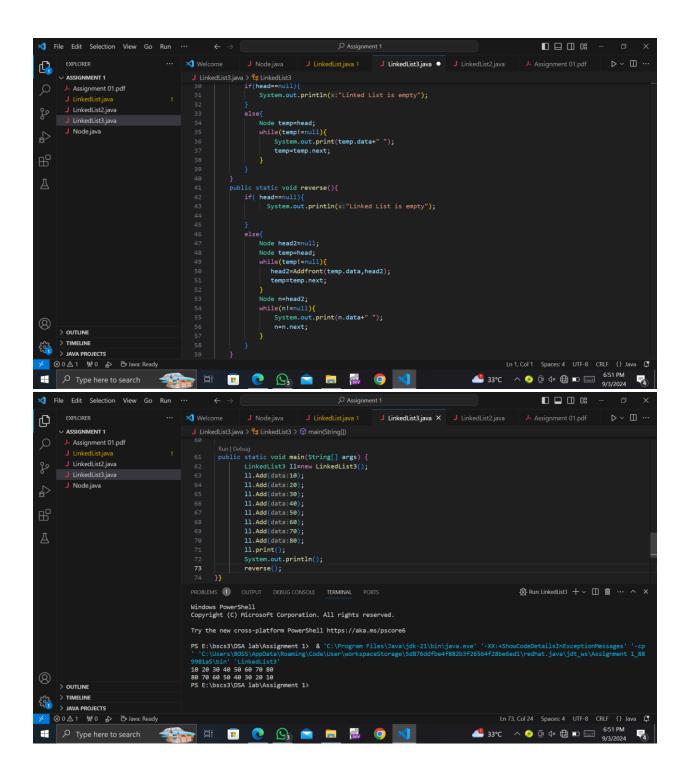
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                                                                                                                        ··· × Welcome
                                                                                                                    [¹+ [²+ ひ 🗗 J LinkedList2.java > ધ LinkedList2 > 🕏 sort()
     ∨ ASSIGNMENT 1
                                                    while(temp.next!=null){
                                                       temp=temp.next;
    J LinkedList2.java
                                                    temp.next=newNode;
      J LinkedList3.java
      J LinkedList4.iava
      J Node.iava
                                             public static void print(){
   if(head==null){
                                                   Node temp=head;
while(temp!=null){
                                                        temp=temp.next;
                                             public static void sort(){
                                                    System.out.println(x:"LinkedList is empty");
                                                 Node temp=head;
    > OUTLINE
    > TIMELINE
                                                  arr[i]=temp.data;
    > JAVA PROJECTS
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Task#3

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                                                                                                                                                      ··· 刘 Welcome J Node java J LinkedList.java 1 J LinkedList3.java ● J LinkedList2.java ♪ Assignment 01.pdf
      ∨ ASSIGNMENT 1
                                              1 public class LinkedList3 {
2 public static Node head;
3 public void Add(int data){
Node newNode=new Node(data);
     J LinkedList2.java
J LinkedList3.java
        J Node.java
                                                                  head=newNode;
                                                            else(
   Node temp=head;
   while(temp.next!=null){
        temp=temp.next;
        temp=temp.next;
                                                         public static Node Addfront(int data,Node head){
   Node newNode=new Node(data);
                                                             if (head==null){
   head=newNode;
                                                               newNode.next=head;
head=newNode;
O > OUTLINE
> TIMELINE
> JAVA PROJECTS
                                                         public void print(){
                                                             if(head==null){
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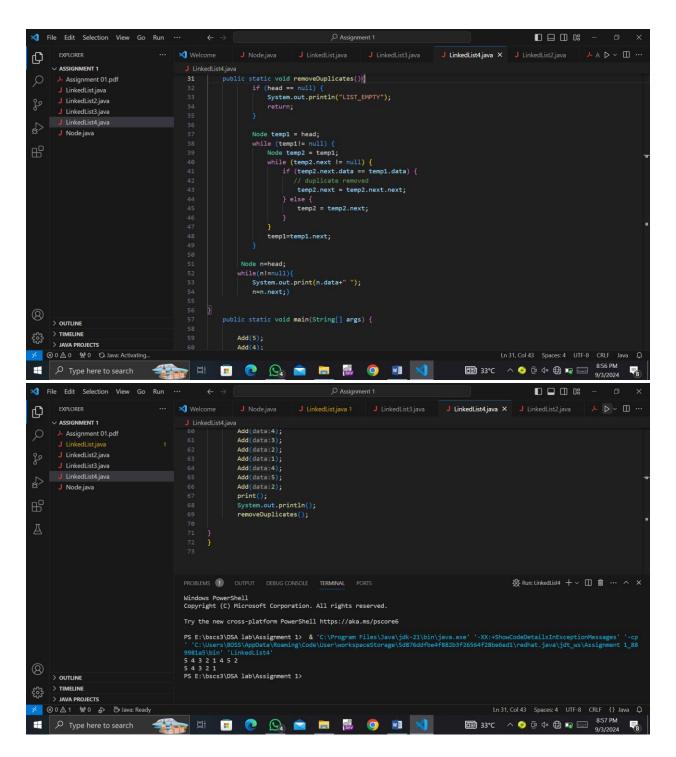


Task#4

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C
                                  J LinkedList4.java
1 public class LinkedList4 {

✓ ASSIGNMENT 1

      J LinkedList.java
                                           public static int size=0;
public static void Add(int data){
     J LinkedList2.java
J LinkedList3.java
J LinkedList4.java
J Node.java
                                               if(head==null){
   head=newNode;
                                                 Node temp=head;
while(temp.next!=null){
                                                  temp.next=newNode;
                                               if(head==null){
                                                  System.out.println("Linked List is empty");
                                                 Node temp=head;
while(temp!=null){
                                                    System.out.print(temp.data+" ");
                                                      temp=temp.next;
    > OUTLINE
> TIMELINE
> JAVA PROJECTS
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```



THE END