Thaneesha Fender

B1 batch

Roll no.7

Sec. D

LINKEDLIST

```
public class LinkedListExample {
static class Node {
int data;
Node next;

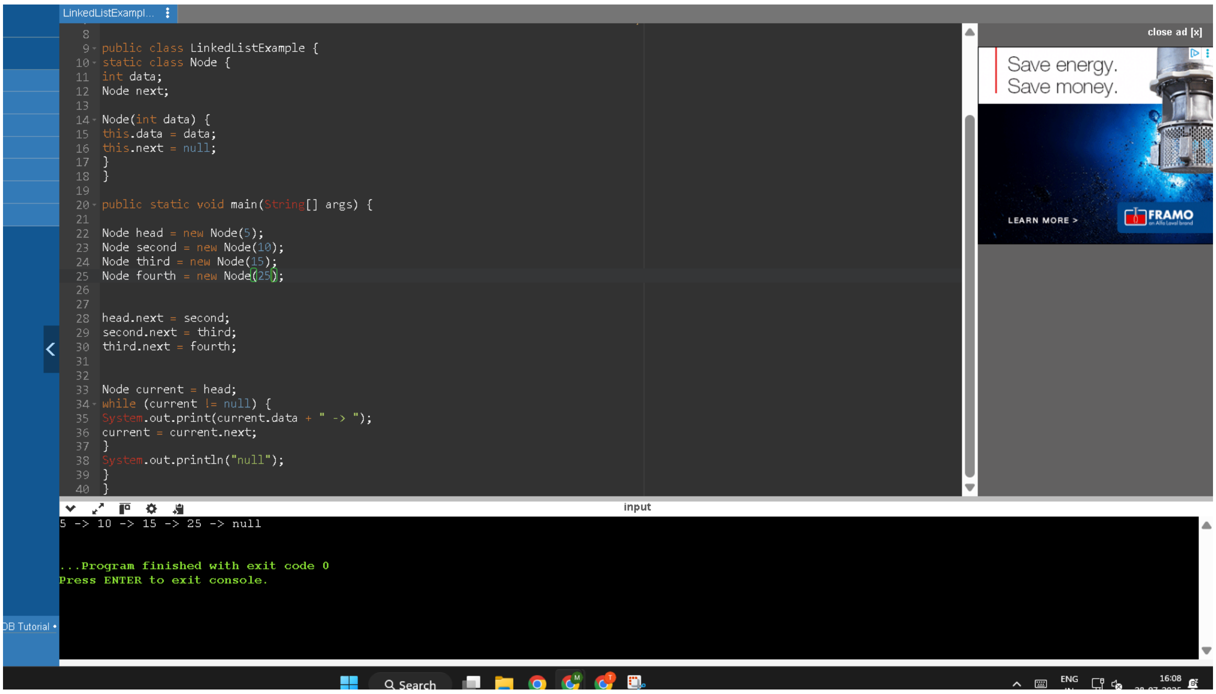
Node(int data) {
this.data = data;
this.next = null;
}
}

public static void main(String[] args) {

Node head = new Node(5);
Node second = new Node(10);
Node third = new Node(15);
Node fourth = new Node(25);


head.next = second;
second.next = third;
third.next = fourth;


Node current = head;
while (current != null) {
System.out.print(current.data + " -> ");
current = current.next;
}
System.out.println("null");
}
}
```



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System.out.print(current.data + " -> ");
current = current.next;
}
System.out.println("null");
}
}
```

```
5 -> 10 -> 15 -> 25 -> null


...Program finished with exit code 0
Press ENTER to exit console.
```

ARRAYLIST

```
import java.util.ArrayList;
import java.util.Scanner;
import java.time.LocalTime;

public class Main {
    public static void main(String[] args) {
        long startTime = System.nanoTime();
        System.out.println("Start time: " + LocalTime.now());


        ArrayList<String> cars = new ArrayList<>();
        cars.add("NANO");
        cars.add("RIKSHAW");
        cars.add("CYCLE");

        ArrayList<String> cc = new ArrayList<>();
        cc.add("1200");
        cc.add("1000");
        cc.add("0");

        ArrayList<String> tyres = new ArrayList<>();
        tyres.add("4");
        tyres.add("3");
        tyres.add("2");

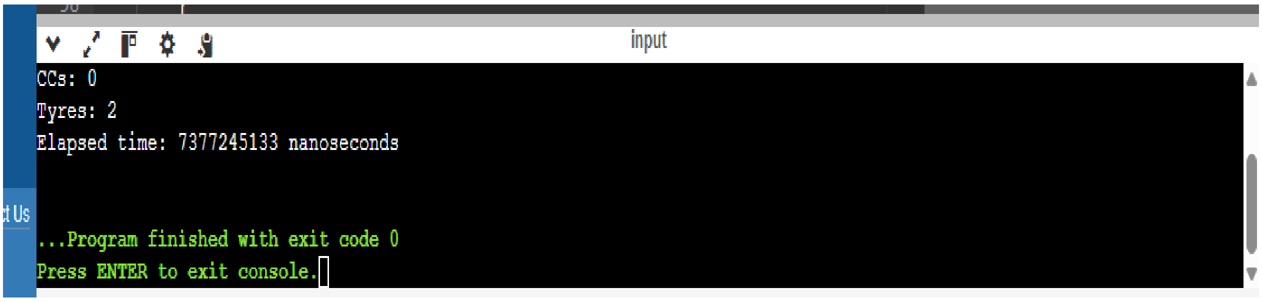

        Scanner scanner = new Scanner(System.in);
        System.out.println("Which car?");
        String name = scanner.nextLine().toUpperCase();


        ifElse(name, cars, cc, tyres);


        long endTime = System.nanoTime();
        long elapsedTime = endTime - startTime;
        System.out.println("Elapsed time: " + elapsedTime + " nanoseconds");

        scanner.close();
    }


    static void ifElse(String name, ArrayList<String> cars, ArrayList<String> cc,
ArrayList<String> tyres) {
        int index = cars.indexOf(name);
        if (index != -1) {
            System.out.println("You selected: " + name);
            System.out.println("CCs: " + cc.get(index));
            System.out.println("Tyres: " + tyres.get(index));
        } else {
            System.out.println("Car not found.");
        }
    }
}
```



```
CCs: 0
Tyres: 2
Elapsed time: 7377245133 nanoseconds


...Program finished with exit code 0
Press ENTER to exit console.
```