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Latihan 1

```
//fungsi find data
public boolean find(int x) {
    node curNode = HEAD;
    boolean ketemu = false;

    while (curNode != null && !ketemu) {
        if (curNode.getdata() == x)
            ketemu = true;
        else
            curNode = curNode.getNext();
    }

    return ketemu;
}
```

Latihan 2 :

```
package Praktikum_Pemrograman.Pertemuan6;

public class ListHead {
    public static void main(String[] args) {
        StrukturList list = new StrukturList();
        list.addTail(5);
        list.addTail(4);
        list.addTail(6);
        list.displayElement();
        System.out.println();
        System.out.println(list.find(6));
    }
}
```

Output ;

```
5 4 6
true
```

Latihan 3

```
//fungsi size list
public int size() {
    node curNode = HEAD;
    int jumlah = 0;
    while (curNode != null) {
        jumlah = jumlah + 1;
        curNode = curNode.getNext();
    }

    return jumlah;
}
```

Latihan 4

```
package Praktikum_Pemrograman.Pertemuan6;

public class ListHead {
    public static void main(String[] args) {
        StrukturList list = new StrukturList();
        list.addHead(7);
        list.addMiddle(6, 2);
        list.addMiddle(4, 3);
        list.addMiddle(2, 4);
        list.addTail(3);
        list.displayElement();
        System.out.println("\n");
        System.out.println(list.size());
    }
}
```

Output :

7 6 4 2 3

5

Tugas :

```
//fungsi menghapus semua elemen list

public void clear() {
    HEAD = null;
}
```

```
}
```

```
package Praktikum_Pemrograman.Pertemuan6;  
  
public class ListHead {  
    public static void main(String[] args) {  
        StrukturList list = new StrukturList();  
        list.addHead(4);  
        list.addMiddle(3, 2);  
        list.addMiddle(7, 3);  
        list.addMiddle(8, 4);  
        list.addMiddle(1, 5);  
        list.addTail(9);  
        list.displayElement();  
        list.clear();  
        System.out.println("\n");  
        list.displayElement();  
    }  
}
```

Output :

```
4 3 7 8 1 9
```

```
List Kosong
```