DDS–Linked List Demo
Insert a Linked List Node

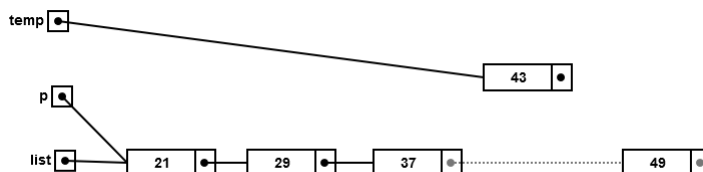Dr. Robert A. Ravenscroft, Jr.

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Insert a Linked List Node

- These slides show the demo for inserting a node into a linked list

- It uses the file `insert.llist` from the DDS homepage at http://dsviewer.org/dds/homepage/

- Nodes in the tool represent this structure

```
Class Node{
     String payload;
     Node next;
}
```
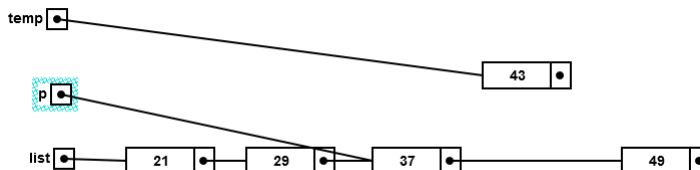
Insert Step 1

- Run http://dsviewer.org/dds-llist/
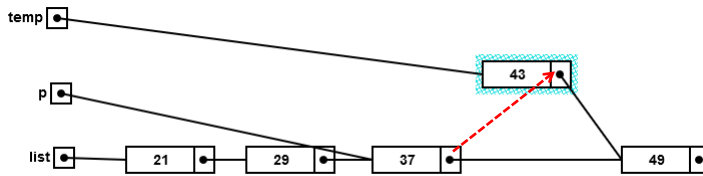
- Load the file `insert.llist`

Insert Step 2

- Click on the `p` reference to select it
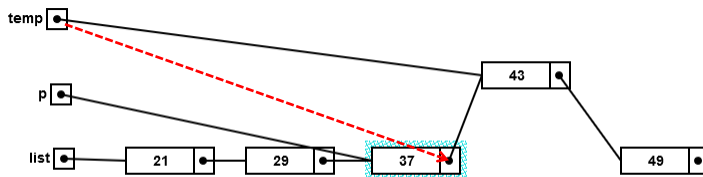- Click the `= .next` button twice to walk the `p` reference to the 37 node

Insert Step 3

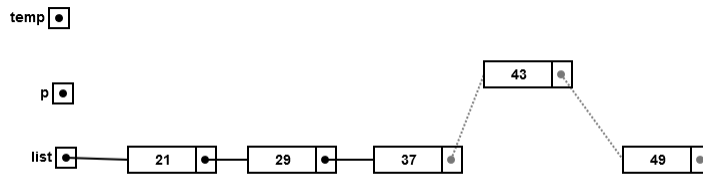- Assign 37's `next` reference to 43's `next` reference by dragging the reference

Insert Step 4

- Assign the `temp` reference to 37's next reference by dragging `temp`'s reference

Insert Step 5

- Select `temp` and click the ` = null ` button
- Select `p` and click the ` = null ` button

- 43's node has now been inserted into the list