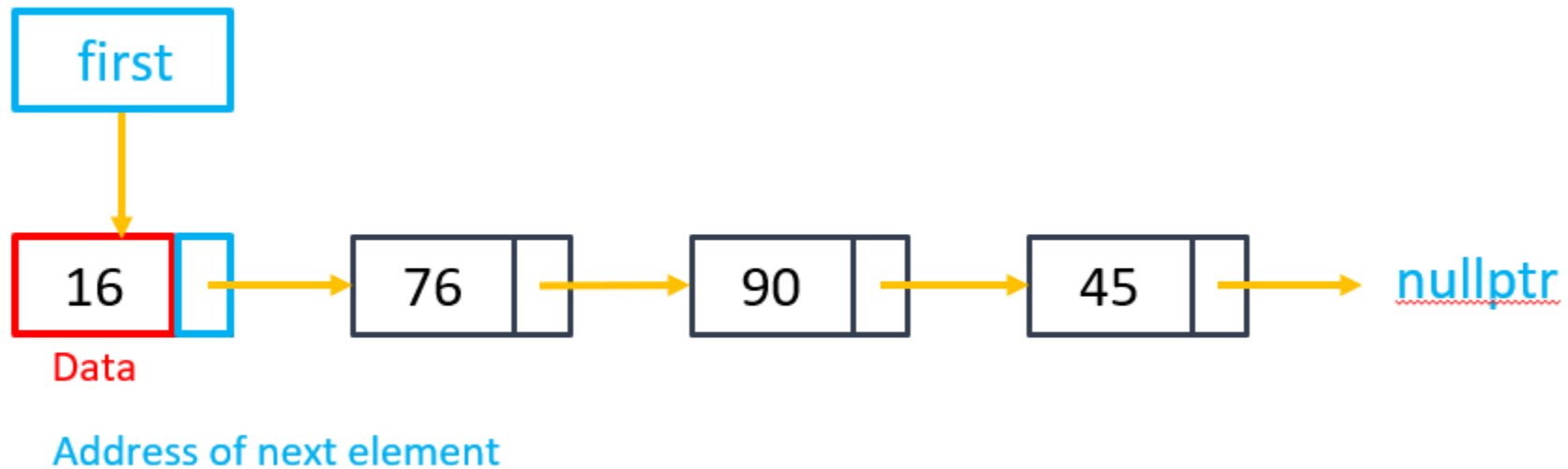
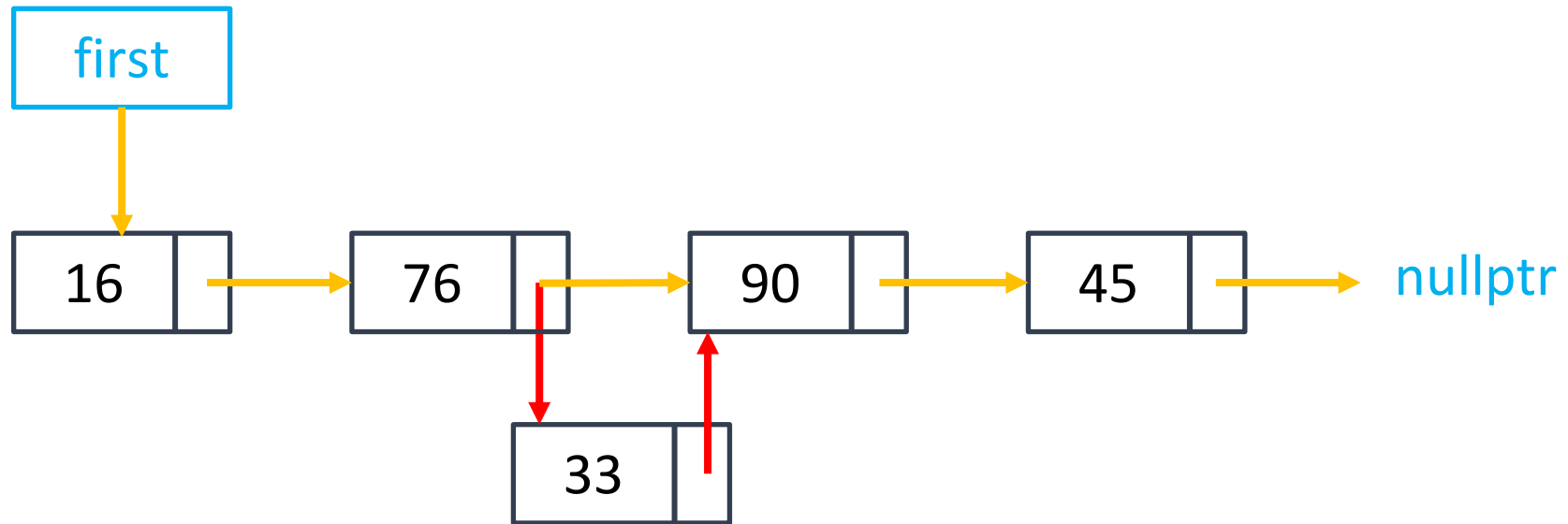


# Week2 Exercise

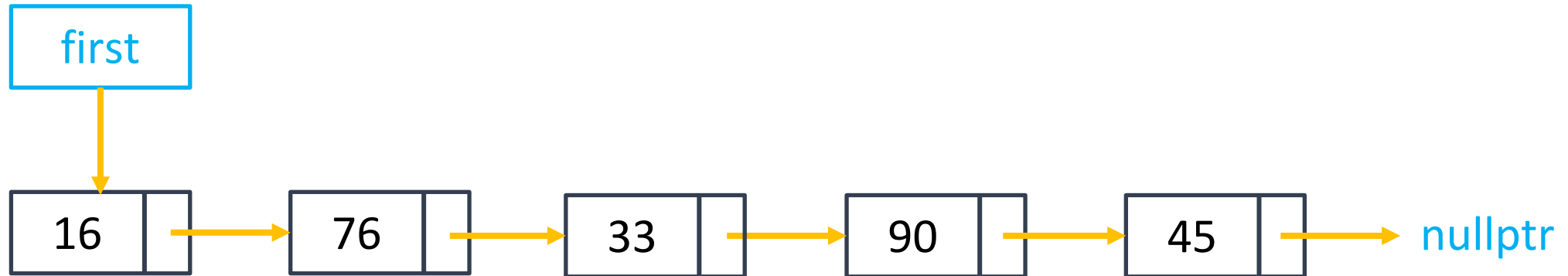
# Linked List



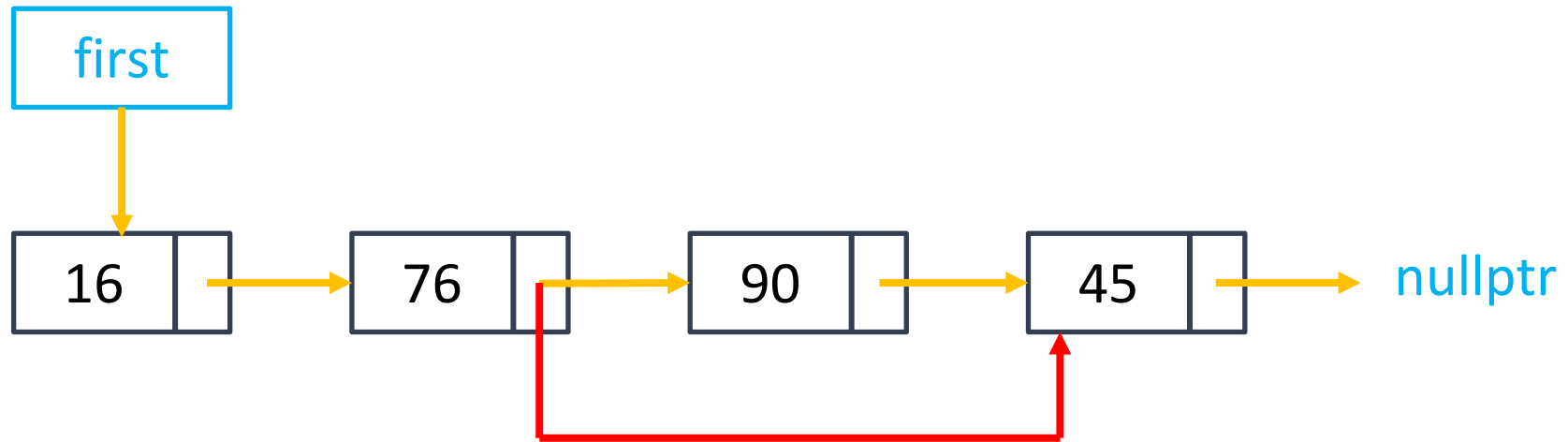
# Insert



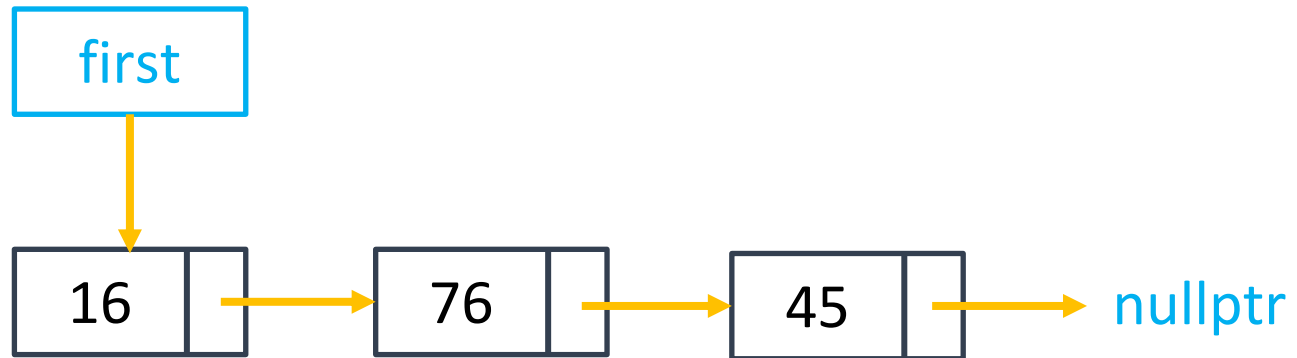
After Insert



# Delete



After Delete



# Exercise

Implement a Linked List

- Insert and Delete a node by value
- Print out the whole list
- Reverse the list
- Remove repeated numbers in the list (Hint: use set)

# Input Format

Command	Description	Notes
b val	Insert value "val" at the beginning of the list	
e val	Insert value "val" at the end of the list	
p	Print out the list	
d val	Delete an element by value "val"	
r	Reverse the list	
c	Remove repeated numbers in the list	

```
b 3
b 2
b 1
e 4
e 4
e 5
e 5
e 6
e 6
p
r
p
c
p
```

# Output Format and Verify

- Output

```
1 2 3 4 4 5 5 6 6
6 6 5 5 4 4 3 2 1
6 5 4 3 2 1
```

- Execute

```
./LL case<num>.txt
```

```
make
```

```
./gen_golden_ans case<num>.txt
```

```
make check_ans
```

- If Error message appears <Permission Denied>
  - `chmod +x gen_golden_ans`