

# CRC card

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Cis 260 ME1

## Node

### Responsibility

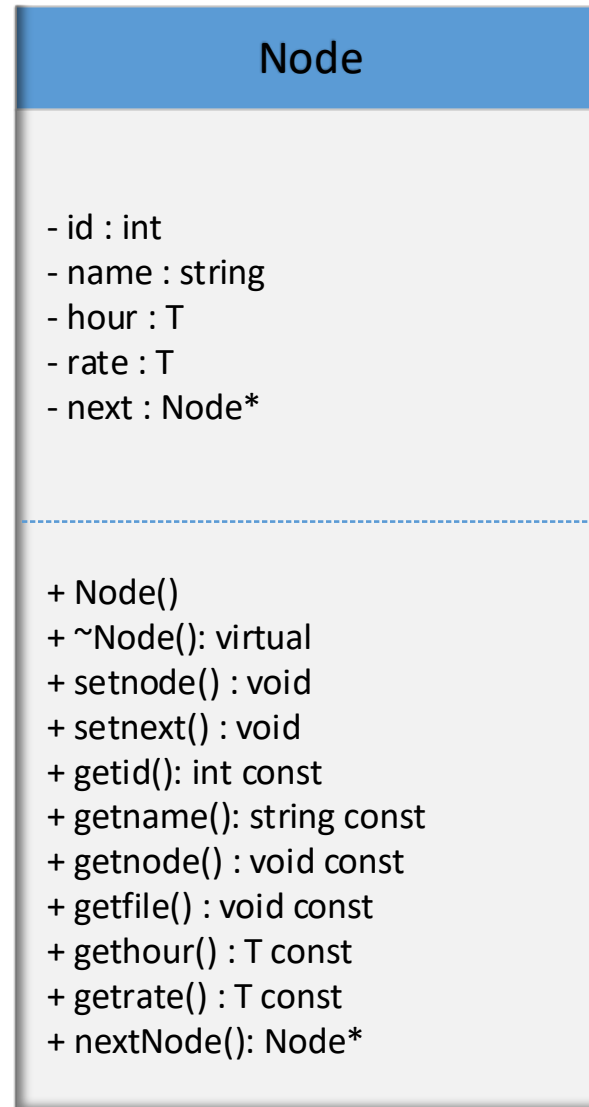
- Get id, name, hour & rate from a file.
- Define default constructor, to set members to NULL.
- Define a setter function to allocated all member with this pointer.
- Define a setter function which sets next pointer to next.
- Define a getter function which is constant to get id from the linked list.
- Define a getter function which is constant to get name from the linked list.
- Define a getter function which is constant to get all data member from the linked list.
- Define a function which is getter function for getting all data member to output on a file.
- Define getter function which is constant to get hour from linked list.
- Define getter function which is constant to get rate from the linked list.
- Define a node pointer function which point to the next node.
- Define a virtual destructor.

### Collaboratation

- Class linkList will be needed to collaborated to accomplish task.

# UML diagram for class Node

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Note: T <template>

where "T" can be integer, float, or double.  
Since template is being used.

## linkList

### Responsibility

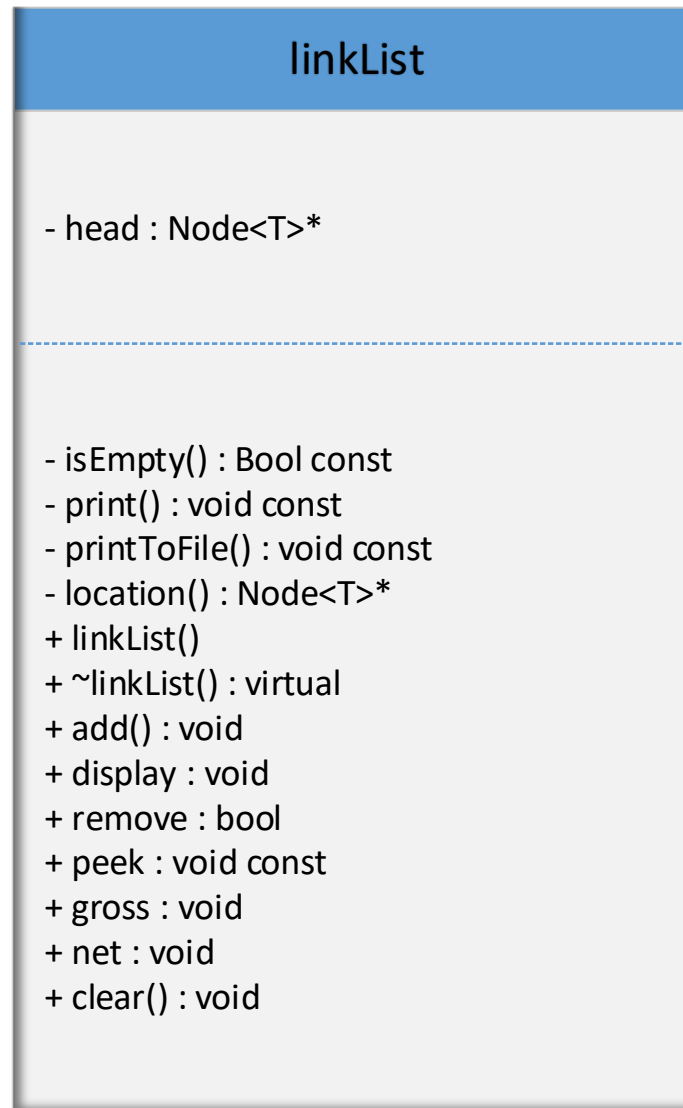
- Define a class Node pointer head.
- Define a constant function named isEmpty, which returns a Boolean value whenever the condition of head equal NULL is true Or other wise.
- Define a print function, which display contain on screen.
- Define a print function, which outputs to a file.
- Define a location method which points the pointer to where the action is happening.
- Define a default constructor which sets head to null.
- Define a add method function, which run automatically at the run and get data from a file and adds it to the linked list in an descending order with the help of class Node member function.
- Define a display method which calls the print function to display contain on screen
- Define a remove function which deletes a selected node based on the given id from user and prompts if id not found.
- Define a accessor method peek, which display the node data based on given name from user prompt and gives a message if name not found in list.
- Define a method which counts the gross for each employee and prints it on the screen.
- Define a method which counts the net of 20% on gross for each employee and prints it on the screen.
- Define a clear function which deallocates all the data member from the list but before it does that it call the print function to output the data to a file.
- Define a virtual destructor.

### Collaboratation

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# UML diagram for class linkList

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