

# Exercise 01

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- Implement linked list code using C/C++.
- Each node is composed of
  - Name (Char[])
  - student\_ID (Integer)
  - Status (Integer; 0 or 1)
- The linked list should contain operations
  - CreateList
  - Insert
  - Delete
  - FindPrevious (by student\_ID)
  - PrintList
  - PrintNode
  - StatusCheck

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- In the main function, execute your function following the below process.
  - Create a linked list
  - Insert a node ('Gildong Hong', 123456789, 0)
  - Insert a node ('Gildong Kim', 234567891, 1)
  - Insert a node (your name, your id, 1)
  - Insert a node ('Gildong Lee', 345678912, 0)
  - Insert a node ('Gildong Park', 456789123, 1)
  - Insert a node ('Gildong Choi', 567891234, 0)
  - Print all elements in the linked list
  - Print the node that contains your information
  - Delete all the nodes with status 1
  - Print all elements in the linked list

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## Hint

```
struct Node{  
    char name[100];  
    int student_ID;  
    int status;  
    Position next;  
};
```