

Question 2: Given a pointer to the head node of a linked list, the task is to reverse the linked list. We need to reverse the list by changing the links between nodes.

Input: Head of following linked list

1->2->3->4->NULL

Output: Linked list should be changed to,

4->3->2->1->NULL

Ans:

```
C:\Users\sahib\Desktop\CPP\Lec1>g++ question_2.cpp

C:\Users\sahib\Desktop\CPP\Lec1>a
Head of the following linked list
1 2 3 4
Linked list changed to
4 3 2 1
C:\Users\sahib\Desktop\CPP\Lec1>
```

MCQ questions:

- 1. Which stream class is to only write on files ?

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- ☒ 1. ofstream
 - ☐ 2. ifstream
 - ☐ 3. fstream
 - ☐ 4. iostream

- 2. Which stream class is to only read from files ?

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- ☐ 1. ofstream
 - ☒ 2. ifstream
 - ☐ 3. fstream
 - ☐ 4. iostream

3. Which stream class is used to both read and write on files ?

- 5. ofstream
- 6. ifstream
- ☒ 7. fstream
- 8. iostream

• 4. Which among following is used to open a file in binary mode ?

- 1. ios::app
- 2. ios::out
- 3. ios::in
- ☒ 4. ios::binary

• 5. ios::trunc is used for ?

- 1. If the file is opened for output operations and it already existed, no action is taken.
- ☒ 2. If the file is opened for output operations and it already existed, its previous content is deleted and replaced by the new one.
- 3. If the file is opened for output operations and it already existed, then a new copy is created.
- 4. None of above

• 6. Which is correct syntax ?

- 1. myfile.open ("example.bin", ios::out);
- ☒ 2. myfile.open ("example.bin", ios::out);
- 3. myfile::open ("example.bin", ios::out);
- 4. myfile.open ("example.bin", ios::out);