

Name :Pavan

```
#include <iostream>
```

```
using namespace std;
```

```
class Node {
```

```
public:
```

```
    int data;
```

```
    Node* next;
```

```
    Node(int val) {
```

```
        data = val;
```

```
        next = nullptr;
```

```
    }
```

```
};
```

```
bool hasCycle(Node* head) {
```

```
    Node *slow = head, *fast = head;
```

```
    while (fast && fast->next) {
```

```
        slow = slow->next;
```

```
        fast = fast->next->next;
```

```
        if (slow == fast)
```

```
            return true;
```

```
    }
```

```
    return false;
```