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Reg.no – 2020BIT064

Assignment No 1 – write a program to create linklist

```
// traversal of a linked list
#include <bits/stdc++.h>
using namespace std;
class Node {
public:
    int data;
    Node* next;
};
void printList(Node* n)
{
    while (n != NULL) {
        cout << n->data << " ";
        n = n->next;
    }
}
int main()
```

```
{  
  
    Node* head = NULL;  
    Node* second = NULL;  
    Node* third = NULL;  
    head = new Node();  
    second = new Node();  
    third = new Node();  
  
    head->data = 1;  
    head->next = second;  
  
    second->data = 2;  
    second->next = third;  
  
    third->data = 3;  
    third->next = NULL;  
  
    printList(head);  
    return 0;  
}
```

main.cpp		Run	Output
<pre>1 2 // traversal of a linked list 3 #include <bits/stdc++.h> 4 using namespace std; 5 class Node { 6 public: 7 int data; 8 Node* next; 9 }; 10 void printList(Node* n) 11 { 12 while (n != NULL) { 13 cout << n->data << " "; 14 n = n->next; 15 } 16 } 17 int main() 18 { 19 Node* head = NULL; 20 Node* second = NULL; 21 Node* third = NULL; 22 head = new Node(); 23 second = new Node(); 24 third = new Node(); 25 26 head->data = 1; 27 head->next = second; 28 29 second->data = 2; 30 second->next = third; 31 32 third->data = 3; 33 third->next = NULL; 34 35 printList(head); 36 return 0; 37 }</pre>			<pre>/tmp/PjRAF83j6A.o 1 2 3</pre>