```
main.cpp
             e <bits/stdc++.h>
                       std;
     class Graph {
     public:
  5
          map<int, bool> visited;
  6
         map<int, list<int> > adj;
         void addEdge(int v, int w);
  8
         void DFS(int v);
  9
 10
     };
 11
     void Graph::addEdge(int v, int w)
 12
 13
         adj[v].push_back(w);
 14
 15
 16
     void Graph::DFS(int v)
 17
 18 -
         visited[v] = true;
 19
 20
         cout << v << " "::
         list<int>::iterator i;
 21
         for (i = adj[v].begin(); i != adj[v].end();
 22
 23
              if (!visited[*i])
 24
                 DFS(*i);
 25
 26
     int main()
 27
 28
         Graph Es
 29
30
31
         g.addEdge(0,
         g. add Edgs.
g. add Edgs.
 g-addidge(c
         g-addings(3
 3,
         E. DES(0)
```

```
main.cpp
   #include<iostream>
   #include <queue>
   using namespace std;
6 - int main() {
     queue<string> animals;
9 // push elements into the queue
   animals.push("Cat");
  animals.push("Dog");
     cout << "Queue: "
     while(!animals.empty()) {
       cout << animals.front() << ", "</pre>
15
       animals.pop();
16
17
     1
18
     cour < endl;
19
     return 0;
```

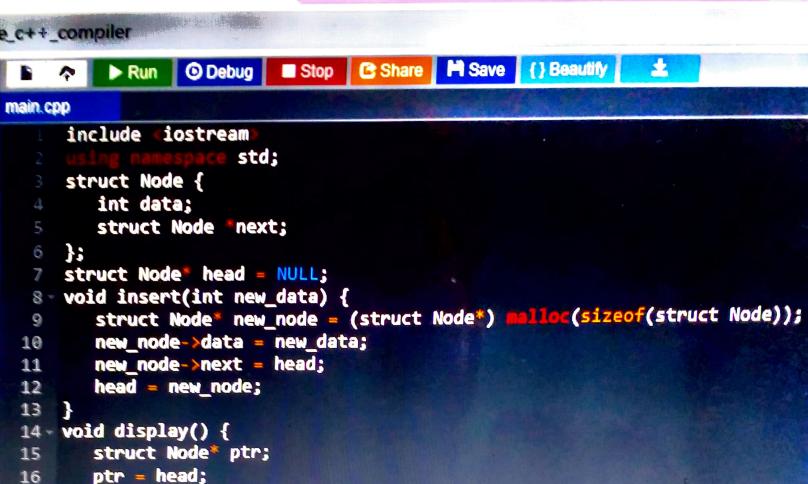












while (ptr != NULL) {

ptr = ptr->next;

cout "The linked list is:

cout<< ptr->data <<" ";

17-

18 19

20 21

23

24 25

26

27

28

29 30

31 32

22 - int main() { \*\*

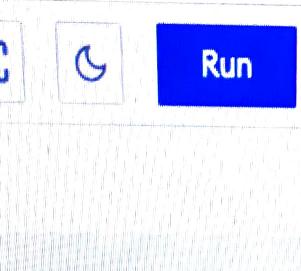
insert(3);
insert(1);

insert(7);

insert(2);
insert(9);

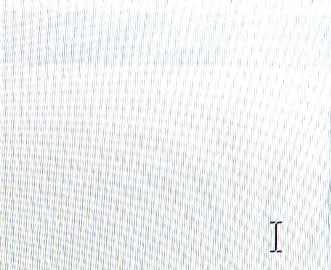
display();

return 0;



## Output

/tmp/3XDNKfT6Ks.o
Python



```
<br/>
<br/>
dits/stdc++.h>
   2
                        std;
      struct Node {
   4
          int data;
   5
          struct Node *left, *right;
   6
      };
   7
      Node* newNode(int data)
   8
   9
          Node* temp = new Node;
  10
          temp->data = data;
  11
          temp->left = temp->right = NULL;
  12
  13
          return temp;
  14
      1
  15
  16
      void printInorder(struct Node* node)
  17 -
          if (node "-- NULL)
  18
  19
              return:
  20
          printInorder(node~>left);
          cout << node->data << " ":
 21
 22
          printInorder(node->right);
 23
      int main()
1 24
 25 4
          struct Node* root = newNode(1);
26
          root->left = newNode(2);
 27
          root->right = newNode(3);
 28
          root->left->left = newNode(4);
 29
          root->left->right = newNode(5);
 30
          cout << "\nInorder traversal of binary tree is \n";
 31
          printInorder(root);
 32
 33
          return 0:
 34
```

口