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Hpc 1 bfs
#include <iostream>
#include <queue>
using namespace std;
struct Node {
 Node *left, *right;
 int data:
};
Node* insert(Node* root, int data) {
  if (!root) return new Node{NULL, NULL, data};
  queue<Node*> q{{root}};
  while (!q.empty()) {
    Node* curr = q.front(); q.pop();
    if (curr->left) q.push(curr->left);
    else return curr->left = new Node{NULL, NULL, data};
    if (curr->right) q.push(curr->right);
    else return curr->right = new Node{NULL, NULL, data};
  return nullptr;
void bfs(Node* root) {
  if (!root) return;
  queue<Node*> q{{root}};
  while (!q.empty()) {
    Node* curr = q.front(); q.pop();
    cout << curr->data << " ";
    if (curr->left) q.push(curr->left);
    if (curr->right) q.push(curr->right);
  }
}
int main() {
  Node* root = nullptr;
  char ans;
  do {
    int data;
    cout << "Enter data: ";
    cin >> data;
    root = insert(root, data);
    cout << "Add another node? (y/n): ";
    cin >> ans;
  } while (ans == 'y' || ans == 'Y');
  cout << "BFS: ";
  bfs(root);
  return 0;
}
```