

```
#include <stdio.h>
```

```
#include <stdlib.h>
```

```
struct Node {
```

```
    int data;
```

```
    struct Node* left;
```

```
    struct Node* right;
```

```
};
```

```
struct Node* createNode(int data) {
```

```
    struct Node* newNode = (struct Node*)malloc(sizeof(struct Node));
```

```
    newNode->data = data;
```

```
    newNode->left = newNode->right = NULL;
```

```
    return newNode;
```

```
}
```

```
void BFS(struct Node* root) {
```

```
    if (root == NULL)
```

```
        return;
```

```
    struct Node* queue[1000];
```

```
    int front = 0, rear = 0;
```

```
    queue[rear++] = root;
```

```
    while (front < rear) {
```

```
        struct Node* current = queue[front++];
```

```
        printf("%d ", current->data);
```

```
        if (current->left != NULL)
```

```
            queue[rear++] = current->left;
```

```
        if (current->right != NULL)
```

```

        queue[rear++] = current->right;
    }

    printf("\n");
}

int main() {
    struct Node* root = createNode(1);
    root->left = createNode(2);
    root->right = createNode(3);
    root->left->left = createNode(4);
    root->left->right = createNode(5);
    root->right->left = createNode(6);
    root->right->right = createNode(7);

    printf("Breadth First Traversal of the binary tree is: \n");
    BFS(root);
}

```

```

Breadth First Traversal of the binary tree is:
1 2 3 4 5 6 7

```