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QUIZ ALGORITMA PERTEMUAN 14

1. QUIZ_1

```
1 #include <iostream>
2 #include <algorithm>
      using namespace std;
      const int D = 100;
int angka [D] = {11, 22, 33, 44, 55, 66, 77};
8
9 ☐ int binarySearch(int x, int 1, int r) {
if (r >= 1) {
           if (r >= 1) {
  int mid = 1 + (r - 1) / 2;
11
12
                if (angka[mid] == x)
    return mid;
13
14
15
16
               if (angka[mid] > x)
                   return binarySearch(x, 1, mid - 1);
18
19
               return binarySearch(x, mid + 1, r);
20 -
21 -
22 -
23 - }
           return -1;
25  int main() {
26  int
           int n;
cout << "Masukkan jumlah angka: ";</pre>
27
28
           cin >> n;
           cout << "Masukkan angka :" << endl;</pre>
30
21
22 }
            return -1;
24
25 int main() {
26 int n;
27 cout << "Masukkan jumlah angka: ";
           30 |
31 |
32
33
 34
35
36
            sort(angka, angka + n);
            int x;
cout << "Masukkan angka yang dicari: ";
cin >> x;
 37
38
39
40
41
            int hasil = binarySearch(x, 0, n - 1);
            if (hasil == -1)
 43
                cout << "angka tidak ditemukan" << endl;
45
46
            else
                cout << "angka ditemukan pada indeks " << hasil << endl;
 48
            return 0;
 49 L }
```

OUTPUT:

2. QUIZ_2

```
Node(char val) {
   data = val;
   left = right = NULL;
void inorderTraversal(Node* root) {

if (root != NULL) {

inorderTraversal(root-\)

cout ⟨⟨ root |

19
                  if (root != NULL) {
   inorderTraversal(root->left);
   cout << root->data << " ";
   inorderTraversal(root->right);
  20
 20 L }
  22
 22 int main() {
24 Node* root = new Node('A');
                   root->left = new Node('B');
  25
                 root->right = new Node('C');
root->left->left = new Node('C');
root->left->right = new Node('D');
  26
  27
  28
  29
                  cout << "Inorder Traversal: ";
inorderTraversal(root);</pre>
  30
  31
  32
                   cout << endl;
  33
                   return 0;
  35 L }
  36
```

OUTPUT:

