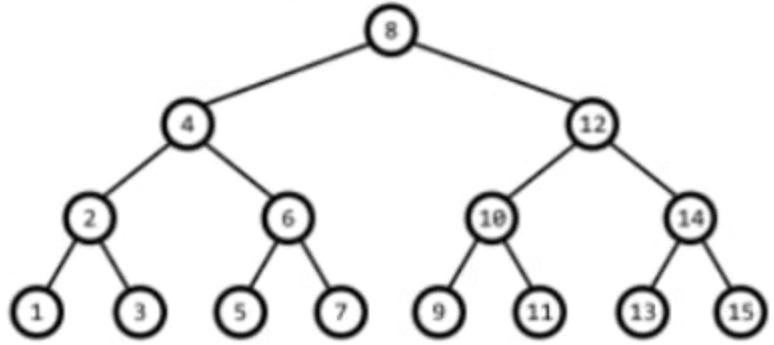
Question 1

Correct

Mark 1.00 out of 1.00

Flag question

Consider on the tree below. Which type of binary tree is it?



a. Other

b. Complete binary tree

c. Full binary tree

d. Perfect binary tree

e. Full tree

Question **2**

Correct

Mark 1.00 out of 1.00

Flag question

Binary tree is ...

a. Other

b. A tree that has one children either on the left or the right

c. A tree that has two children

d. A tree that has at least two children

e. A tree that has at most two children ✔

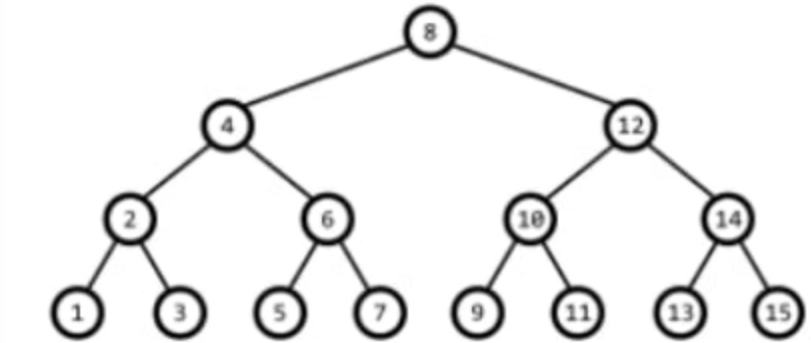
Question 3

Correct

Mark 1.00 out of 1.00

Flag question

Consider on the binary search tree below. What is the output when using preorder method?



a. 8 4 2 1 3 6 5 7 12 10 9 11 14 13 15

b. 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

c. 8 4 2 1 3 6 5 7 12 10 9 15 14 13 11

d. Other

e. 8 4 2 1 3 6 5 7 15 10 9 11 14 13 12

Question **4**

Correct

Mark 1.00 out of 1.00

Flag question

Consider on the binary search tree. Is the following function correct to display data in tree using the inorder method?

```
void preorder(Node *root){
    if(root!=NULL){
        cout<<root->data<<" ";
        inorder(root->left);
        inorder(root->right);
    }
}
```

a. Correct

b. Not correct

Question 5

Correct

Mark 1.00 out of 1.00

Flag question

Consider on the binary search tree. Is the following function correct to display data in tree using the preorder method?

```
void preorder(Node *root){
    if(root!=NULL){
        cout<<root->data<<" ";
        inorder(root->left);
        inorder(root->right);
    }
}
```

a. Correct

b. Not correct

Question 6

Correct

Mark 1.00 out of 1.00

Flag question

In order to create a binary search tree, is the following code correct to create node structure?

```
4  struct Node{
5      int data;
6      Node *left, right;
7  };
```

a. Correct

b. Not correct

Question 7

Incorrect

Mark 0.00 out of 1.00

Flag question

Tree is ....

a. A non-linear data structure like linked list

b. Other

c. A non-linear data structure where data is not stored in sequence

d. A linear data structure where data is stored in sequence

e. A non-linear data structure where data is stored in sequence like array

Question 8

Correct

Mark 1.00 out of 1.00

Flag question

Binary search tree is ....

a. A binary tree data bigger value is stored at the left subtree and smaller value is stored at the right subtree.

b. A tree that is binary

c. Other

d. A binary tree data smaller value is stored at the left subtree and bigger value is stored at the right subtree. ✔

e. A tree that is searchable.

Question **9**

Correct

Mark 1.00 out of 1.00

Flag question

What is tree traversal?

a. A way to insert data into the tree data structure

b. A way to search data in the tree data structure

c. A way to display data in the tree data structure

d. A way to delete data in the tree data structure

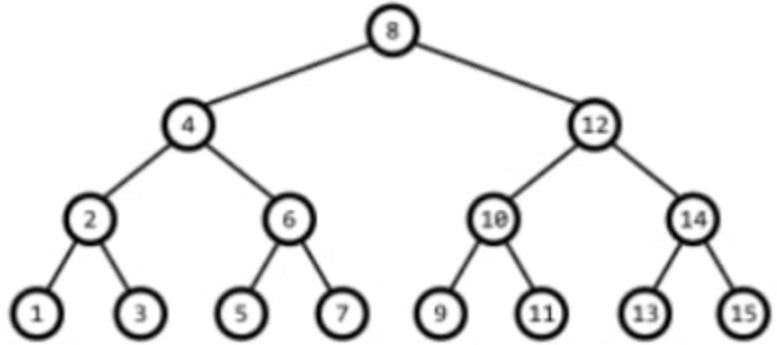
Question **10**

Incorrect

Mark 0.00 out of 1.00

Flag question

Consider on the binary search tree below. What is the output using inorder method?



a. Other

b. 8 4 2 1 3 6 5 7 12 10 9 11 14 13 15

c. 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

d. 8 4 2 1 3 6 5 7 15 10 9 11 14 13 12

e. 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15