



NUMBER :	NAME :	EXAM GRADE	
		[.....]
SIGNATURE :			
Students have to obey Engineering Faculty Exam Execution Instructions .			
Brief information about the exam will be given at the beginning, then no one is allowed to ask a question during the exam.			

```
void traverse(Node* v)
{
  if (v->left != NULL)
    traverse(v->left);
  else
  if (v->right == NULL)
    cout << v->elt << " ";

  if (v->right != NULL)
    traverse(v->right);
}
```

```
void traverse(Node* v)
{
  stack<Node*> stl_stack;

  stl_stack.push(v);

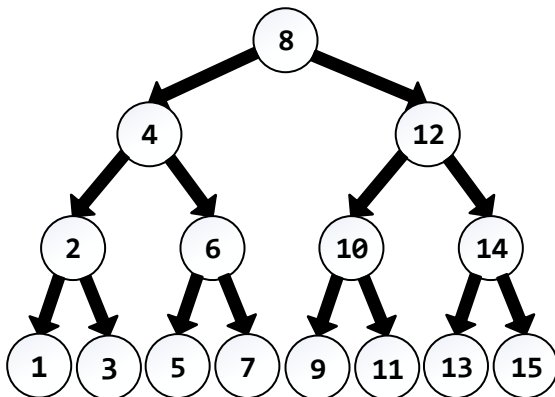
  while (!stl_stack.empty())
  {
    Node* current = stl_stack.top();
    cout << current->elt << " ";

    stl_stack.pop();

    if (current->right != NULL)
      stl_stack.push(current->right);

    if (current->left != NULL)
      stl_stack.push(current->left);
  }
}
```

1. What is the output of the function `traverse()` that is called in the `main()` with the `root` of the tree below? (25P)



2. What is the output of the function `traverse()` that is called in the `main()` with the `root` of the tree on the left? (25P)

