10.4-2.

Write an O(n)-time recursive procedure that, given an n-node binary tree, prints out the key of each node in the tree.

Answer.

```
\begin{array}{ll} \text{Print-Binary-Tree}(T) \\ 1 & x = \textit{T.root} \\ 2 & \text{if } x \neq \text{nil} \\ 3 & \text{Print-Binary-Tree}(x.\textit{left}) \\ 4 & \text{print } x.\textit{key} \\ 5 & \text{Print-Binary-Tree}(x.\textit{right}) \end{array}
```

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