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A college maintains a record of departments using a binary tree. Each node represents a department, and the left and right child nodes represent sub-departments under its academic hierarchy. The departments are organized based on a predefined structure:

• Root node: "Academic"

• "Academic" has two sub-departments:

o Left child: "Science"

o Right child: "Arts"

• "Science" has:

o Left child: "Physics"

o Right child: "Chemistry"

• "Arts" has:

o Left child: "History"

o Right child: "Literature" */

```
package julyhometask;
class CollegeTree
{
	String dept;
	CollegeTree left,right;
	public CollegeTree(String dept)
	{
		this.dept=dept;
		this.left=null;
		this.right=null;

	}
}
public class july25ht
{
	CollegeTree root;
	void inorder(CollegeTree node)
```

```
	{
		if(node!=null)
		{
			inorder(node.left);
			System.out.println(node.dept+"->");
			inorder(node.right);
		}
	}
	public static void main(String[] args)
	{
		july25ht cd=new july25ht();
		cd.root=new CollegeTree("Academic");
		cd.root.left=new CollegeTree("Science");
		cd.root.right=new CollegeTree("Arts");
		cd.root.left.left=new CollegeTree("Physics");
		cd.root.left.right=new CollegeTree("Chemistry");
		cd.root.right.left=new CollegeTree("History");
		cd.root.right.right=new CollegeTree("Literature");
		cd.inorder(cd.root);
		System.out.println("Departments ended");

	}

}
```