

Lecture 1 - May 6

Syllabus & Introduction

Professional Engineers: Code of Ethics
Array-Typed Attributes

Course Learning Outcomes (CLOs)

CLO1 Implement an Application Programming Interface (API).

CLO2 Test the implementation.

CLO3 Document the implementation.

CLO4 Implement aggregations and compositions.

CLO5 Implement inheritance.

CLO6 Use recursion.

CLO7 Implement linked lists.

CLO8 (Informally) prove that recursive algorithms are correct and terminate.

CLO9 (Informally) analyse the running time of (recursive) algorithms.

existing class

→ 1. return type (int, string, C, void!)

JUnit

→ comments...

→ references
- aliasing

arrays, strings, 1. polymorphism, 2. dynamic binding.

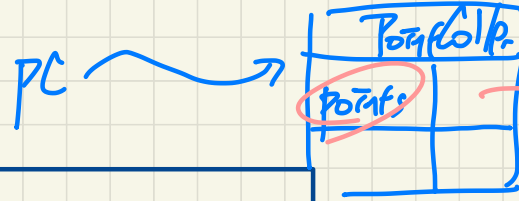
most likely not

```

class Point {
    . . .
}

```

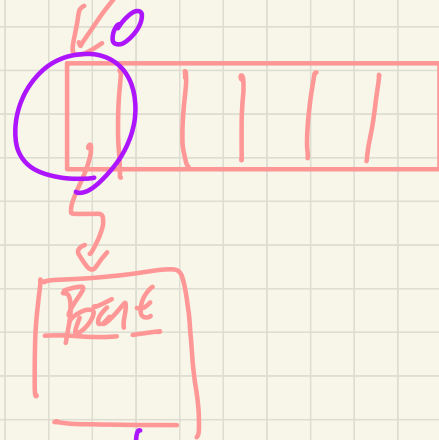
PointCollector pc = new PointCollector();



```

class PointCollector {
    ? Point[] points;
}

```



pc.points[0]
 ↳ starts the address of some Point object