





































Caution: Not All Languages Provide Automatic Garbage Collection!

- •Some languages do not provide automatic garbage collection (e.g., C, C++, Pascal).
- In this case dynamically allocated memory must be manually freed up by the programmer.
- •New term: Memory leak: memory that has been dynamically allocated (such as via the Java 'new' keyword') but has not been freed up after it's no longer needed.
 - Memory leaks are a sign of poor programming style and can result in significant slowdowns.

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Parameter Passing Example

• Name of the folder containing the complete example : 7parameters



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Class Person (2)

```
public void setAge(int anAge) {
    age = anAge;
}
public void setName(String aName) {
    name = aName;
}
```



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The Driver Class





Previous Example: Analysis

• Why did the parameter that was passed by reference change and the simple type (passed by value) did not?



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