

CS335A: Milestone 1

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Implemented support for the following language features:

1. Primitive data types (e.g., int , long , float , double and boolean)
2. Arrays:
 - (a) Support for non fixed size array of any dimensions(e.g int a[])
 - (b) array creation using new is not supported.
3. All the basic Operators given in description.pdf
4. Control flow via if-else , for , and while , ignore constructs like do-while and switch
5. Methods and method calls, including both static and non-static methods
6. Support for recursion
7. The library function println() for only printing the primitive types listed earlier
8. Support for classes and objects. For class definitions, support public and private access modifiers

Extra bonus features implemented:

1. import statements like import java.util.*
2. Support for Break, Continue, Return .

Compilation and Execution instruction:

1. make clean
2. make < filepath

Tools used:

1. Bison and flex