

STUDENT NAME	
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PROGRAMS

INVALID	5 invalid test programs [1 point each] (a) Program is invalid according to the reference compiler (b) Program shows a unique declaration or typechecking error	/5
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IMPLEMENTATION

AST	Compiler generates an AST for syntactically valid programs (a) AST is correctly generated [2 points] (b) AST contains no CST nodes or extra tokens [2 points]	/4
PRETTY PRINTING	pretty compiler option outputs pretty printed code to stdout (a) Output is valid MiniLang and equivalent to the input [2 points] (b) Output is "pretty" (tabs, newlines, spaces, etc.) [2 point]	/4
SYMBOL TABLE & TYPE-CHECKING	symbol compiler option outputs the symbol table to stdout (a) Symbol table contains all declared variables [1 points] (b) Identifiers are associated with the correct type [1 point]	/2
	Compiler is tested on a set of valid MiniLang programs using the typecheck option. For each test case, the compiler must exit with status code 0 and output OK	/5
	Compiler is tested on a set of invalid MiniLang programs using the typecheck option. For each test case, the compiler must exit with status code 1 and output Error: <description>	/4
	Compiler generates appropriate error messages for invalid programs	/1
CODEGEN	Compiler is tested on a set of valid MiniLang programs using the codegen option (a) Generated code is valid C [4 points] (b) Generated code has the correct semantics [4 points] (c) Generated code is well written and efficient [2 points]	/10

COMMENTS
