

Quiz 1 Compilers

What is the name of the java compiler?

- ☐ a. JAVA
- ☒ b. JAVAC
- ☐ c. JRE
- ☐ d. JAVA_COMPILER

Which techniques are used for the optimization ?

- ☒ a. Move a statement
- ☒ b. Replace a sequence of statements by a single statement
- ☐ c. Replace a single statement by a sequence of statements
- ☐ d. Replace a statement

What are the input and output of a syntactic analyzer ?

- ☐ a. Input: Set of Tokens; Output: Abstract Syntax tree
- ☐ b. Input: Source file; Output: Set of Tokens
- ☐ c. Input: Set of Tokens; Output: Decorated Tree
- ☐ d. Input: Set of Tokens; Output: Binary File

What are the input and output of a semantic analyzer?

- ☐ a. Input: Decorated Tree; Output: Abstract Syntax tree
- ☐ b. Input: Binary File; Output: Abstract Syntax tree
- ☐ c. Input: Decorated Tree; Output: Binary File
- ☒ d. Input: Abstract Syntax tree; Output: Decorated Tree

Why compilers generate an intermediate representation before a low-level code?

- ☐ a. To produce a representation of the input file
- ☐ b. To identify the potential faults
- ☒ c. To get ready for the translation into various hardware target languages
- ☐ d. To optimize the output