CS 3723: Programming Languages

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You Name:

1. Which of following are advantages of static type checking? Which are advantages of dynamic type checking?

   (a) Does not incur runtime overhead;

   (b) Allow more efficient translation to machine code

   (c) Discover type errors before program is run

   (d) Expressions can have multiple types, so programming is more flexible;

   (e) Can discover more type errors

2. Which of the following correctly defines the distinction between static type checking and type inferencing?

   (a) Type inferencing does not require the types of variables being explicitly declared, while static type checking does.

   (b) Type inferencing is done dynamically at runtime, while static type checking is done at compile time.