| CSc 372 Quiz 1: Pre-assessment Participation | n Quiz |
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| Name | | |
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| UA Email | | |
| please do at are starting t | e-assessment and will be graded based on completion, not on accuracy. Howevertempt to answer the questions as best you can so that I get an idea of where yethe semester with these concepts. Put a `?` for questions you have no idea or . Melanie Lotz Fall 2024 pre-assessment, ChatGPT conversation 16 Jan 2025 | ou 1. |
| Which of the | Put the letter for the best answer or a ? in this box | |
| B. stron | ng, static, and inferred ng, dynamic, and inferred k, static, and based on annotations | |
| | ng, static, and based on annotations k, dynamic, and based on annotations 「 | |
| Which of the A. stron B. stron C. weak D. stron | Put the letter for the best answer or a ? in this box | |
| In Java, the | Put the letter for the best answer or a ? in this box | |
| In Java, ther A. overloadir | Put the letter for the best answer or a ? in this box | |
| For which typer are both con | Put the letter for the best answer or a ? in this box | s that |

- A. Applications involving low-level memory management.
- B. Applications requiring structured data processing, such as compilers and interpreters.
- C. Applications focused on graphical user interface design.
- D. Applications that rely heavily on mutable state and side effects.

| Question 6. Put the letter for the best answer or a ? in this box | |
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| What is the primary difference between parallelism and concurrency in programming? A. Parallelism focuses on performing multiple tasks simultaneously, while concurren | |
| involves managing multiple tasks that can progress independently. | Су |
| B. Concurrency requires multiple processors, whereas parallelism can run on a sing processor. | le |
| C. Parallelism is about dividing tasks into smaller parts, while concurrency focuses of execution order. | n task |
| D. Concurrency guarantees tasks will execute at the same time, while parallelism do | es not. |
| Question 7. Put the letter for the best answer or a ? in this box | ftware. |
| C. Syntax ensures that a program is logically correct, while semantics ensures that a program follows grammatical rules. | 1 |
| D. Syntax deals with the runtime behavior of a program, while semantics deals with compile-time rules. | the |
| Question 8. Put the letter for the best answer or a ? in this box | |
| Which of the following is an example of a memory safety issue in programming? A. Dangling pointers, where a pointer references memory that has been deallocated B. Use-after-free errors, where memory is accessed after it has been freed. C. Buffer overflows, where data is written beyond the allocated memory bounds. D. Memory leaks, where allocated memory is no longer reachable but not reclaimed E. All of the above. | |
| Question 9. Put the letter for the best answer or a ? in this box | |
| 1 fun foo [] = [] | |
| 2 foo (x::xs) = foo xs @ [x]; | |
| What is the result of foo [1,2,3,4,5]? A. 5 B. 1 C. [1,2,3,4,5] D. [5,4,3,2,1] | |
| E. There is no result because the function produces a type error. | |
| Question 10. Put the letter for the best answer or a ? in this box | parent |
| of T", what does foo(V,W) mean? A. V is the grandchild of W B. V is the sibling of W C. V is the grandparent of W D. V is the aunt or uncle of W E. None of the above | |