



Practice Quiz: When Slowness Problems Get Complex

TOTAL POINTS 5

1. Which of the following can cache database queries in memory for faster processing of automated tasks?

1 point

- ☐ Threading
- ☐ Varnish
- ☒ Memcached
- ☐ SQLite

2. What module specifies parts of a code to run in separate asynchronous events?

1 point

- ☐ Threading
- ☐ Futures
- ☒ Asyncio
- ☐ Concurrent

3. Which of the following allows our program to run multiple instructions in parallel?

1 point

- ☒ Threading
- ☐ Swap space
- ☐ Memory addressing
- ☐ Dual SSD

4. What is the name of the field of study in computer science that concerns itself with writing programs and operations that run in parallel efficiently?

1 point

- ☐ Memory management
- ☒ Concurrency
- ☐ Threading
- ☐ Performance analysis

5. What would we call a program that often leaves our CPU with little to do as it waits on data from a local disk and the Internet?

1 point

- ☐ Memory-bound
- ☐ CPU-bound
- ☐ User-bound
- ☒ I/O bound

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