A cache is a . small & fast memory

Which type of caching can be used to cache the contest registration page in a website, to reduce the time taken to serve the page for the users?

Application

In which type of cache, application treats cache as the main data store and reads data from it and writes data to it? (I) Read Through/Write Through Cache (II) Cache-aside I

In which type of cache, application directly interacts with database for data that is not available in the cache? Cache-aside

Which type of cache reference locality aims at designing cache to store the entire block near the Recently Referenced Data? (I) Temporal Locality (II) Spatial Locality II

Which of the following is true about the cache? line size==block size

Which of the following Cache Eviction techniques consider Locality?

least recently used

Which type of cache reference locality aims at designing cache to store "Recently Referenced Data" assuming that the same data will be requested frequently? Temporal locality

A web page displays 10 items per page and has pagination enabled. What would be the recommended way to enable efficient paging? spatial

Which of the following types of data exhibits Spatial Locality? Array

While using a Write Back cache, which of the following policies needs to be abided? write allocate

Caching Technique where cache is populated the first time a certain piece of data is requested is called \_. Lazy loading

Which type of cache is recommended to store user preferences for an application with several 100's of concurrent users? on demand

When a computer processor does not gets a data item that it requires in cache, then the problem is known as \_. Cache hit

Primary objective of Cache Coherence is to ensure \_\_. Data consistency across all local cache

Final: 12/15

1. Which of the following in a cache address, specifies the exact location in the cache line where the requested data exists? Tag is wrong
2. Primary objective of Cache Coherence is to ensure \_\_. Data consistency
3. A cache has 1024 blocks and each block can contain 1024 bits of data. What is the size of the cache? 1mb is wrong
4. Which of the following is true about the cache? Line size==block size
5. A web page displays 10 items per page and has pagination enabled. What would be the recommended way to enable efficient paging? Spatial
6. Line size in a cache is recommended to be a power of 2. True
7. Which type of cache reference locality aims at designing cache to store "Recently Referenced Data" assuming that the same data will be requested frequently? Temporal
8. Which of the following topologies implement a "front cache" and a "back cache" that automatically and transparently communicate with each other by using a read-through/write-through approach? Near cache
9. In which type of cache, application directly interacts with database for data that is not available in the cache? Cache aside
10. A cache is a . small & fast memory
11. Which Cache would be the best place to cache DNS data? Proxy
12. While using a Write Back cache, which of the following policies needs to be abided? Write allocate
13. Which of the following Cache Eviction techniques consider Locality? least recently used
14. Which of the following is true about a well designed cache? Hit rate==miss rate
15. Cache Performance or Average Memory Access time (AMAT) depends on which of the following? all