Lecture 15 (More on Caches)

escalator » elevator since: open space, can use even if not working, can be used even in emergency

Virat Kolhi's response time is different from Sarangi sir's. Yesterday Afghanistan ke saath century, next time Somalia ke saath

UK will have a new King

in interview, the interviewer is angry; food and tea sucks; they have pressure; they want quick and small answers

for interview, shave and go; no need to wear shirt and coat and tie; no need to do Leetcode and Codechef - they don't help

1 Stuff Discussed

1. Context switching
2. Virtual memory mapping
3. Associative cache
4. Optimizing cache
   - maintain a Victim Cache to overcome associativity (5 blocks needed but 4 way associative)
   - prefetching
   - critical load first
5. Types of cache misses
   - Capacity misses - prefetching
   - Conflict misses - VC
   - Cold misses - prefetching