**ANALYSIS**

**LRU CACHE IMPLEMENTATION**

* **CHACE MEMEORY: -**

A cache memory is a first storage of data in computer. It acts as a temporary storage area that the computer’s processor can working with this data easily. And also, it is a path way between processor and main memory. Chace memory is smaller in size. It is much smaller than main memory (hard disk). But it has high speed than memory and very quick memory access. Caches are storage of data that can exist in both hardware and software.

**Cache memory**

Memory address from processor

Main memory accessed in address not in cache

Address found

Address not found in caches not found in cache

**MAIN MEMORY**

Compare with all stored address simultaneously

**CACHE**

**DATA**

**ADDRESS**