LRUCache stands for least recently used Cache. General implementation of this technique requires keeping "age bits" for Cache-lines and track the recently used Cache-line based on age bits. In this Task I have used Integer data type for LRUCache algorithm. Here we need to define Capacity of the LRUCache before running the complete code. Time complexity of this code is O(1).

In this program it supports three operation:-

1. Get(key) - Get the value (will always be positive) of the key if the key exists in the cache, otherwise return -1.
2. Put(key, value) - Set or insert the value if the key is not already present. When the cache reached its capacity, it should invalidate the least recently used item before inserting a new item.
3. Reset operation, it will reset the LRUCache at the end.