CS23304 – JAVA PROGRAMMING
DATE: 08.07.2026 ON THE SPOT QUESTIONS

1. Write a program to find all pairs in an array whose sum equals a given target Value.

2. Write a program to implement a jagged (ragged) 2D array where each row has a different number of columns, and compute the sum of each row

3. Write a program to implement a LRU (Least Recently Used) Cache using ArrayList with a fixed capacity.

   [Note: An **LRU (Least Recently Used) Cache** is a caching strategy that organizes items in order of use. When the cache reaches its **fixed capacity** and a new item needs to be added, it discards the item that has not been accessed for the longest period of time i.e. index 0]