**NAME: AHMAD SAEED**

**ROLL NO:024**

**SECTION: BSAI 3A**

**CLASS: AI LAB**

**OVERIEW:**

The script implements the A (A star ) Algorithm\* , which is widely used for pathfinding and graph traversal.

It finds the shortest path form a strat node to a goal node using:

* Heuristic function
* Priority queue (heap)