

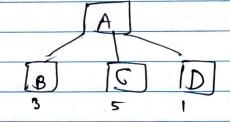
## EXPERIMENT NO.4

Aim: Implement Greedy Best First Search algorithm in Python.

correctly post-first rearly algorithm by using a heuristic function to determine which path is the most promising. The heuristic function textes into account the west of the wrrent path of a the estimated west of the wrrent oremaining paths. If the cost of the wrrent path is were than the estimated west of the wrent path is were than the estimated worth of the remaining paths, then the wortent path is wosen the process is repeated with the goal is readred.

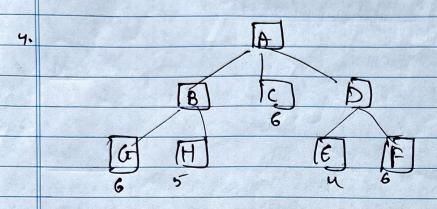
Example

), (A



B C D





Pinnet space complemity: OCbd), worst-Olnlogn

Step 1: place the stenting node into open list step 2: Bet the open ust i's empty stop 4 meturn step 3: Remove the node with bruest value 4 place it in closed ust

successor une mode & generate the

sty 5: evelt excressor & find for is goal or

step 6: function f(n) unexes it node is open luoned step 7: Return to step 2.