

## A\* ALGORITHM:

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PYTHON PROGRAM AI.py - C:\Users\Srimathi\AppData\Local\Programs\Python\Python310\Python prgrms\PYTHON PROGRAM AI.py (3.10.2)
File Edit Format Run Options Window Help

startState = State_String(self.start,0,self

count = 0
self.priorityQueue.put((0,count, startState
while(not self.path and self.priorityQueue.
    closesetChild = self.priorityQueue.g
    closesetChild.CreateChildren()
    self.vistedQueue.append(closesetChil
    for child in closesetChild.children:
        if child.value not in self.viste
        count += 1
        if not child.dist:
            self.path = child.path
            break
        self.priorityQueue.put((child.d
    if not self.path:
        print("Goal Of is not possible !" + se
    return self.path

# Calling all the existing stuffs
if __name__ == "__main__":
    start1 = "hema"
    goal1 = "mahe"
    print("Starting...")
    a = A_Star_Solver(start1,goal1)
    a.Solve()

IDLE Shell 3.10.2
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Python 3.10.2 (tags/v3.10.2:a58ebcc, Ja
n 17 2022, 14:12:15) [MSC v.1929 64 bit
(AMD64)] on win32
Type "help", "copyright", "credits" or
"license()" for more information.

>>> = RESTART: C:\Users\Srimathi\AppData\Lo
cal\Programs\Python\Python310\Python pr
grms\PYTHON PROGRAM AI.py
Starting....
0)hema
1)hmea
2)mhea
3)mhae
4)mahe

>>> = RESTART: C:\Users\Srimathi\AppData\Lo
cal\Programs\Python\Python310\Python pr
grms\PYTHON PROGRAM AI.py
Starting....
0)hema
1)hmea
2)mhea
3)mhae
4)mahe

>>>
```