

Assignment No :3

Name:Pradnya Amol Gadhave

Roll no:48 Div:A

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matrix=[[1,2,3],[4,5,6],[7,8,9]]
m=3
min=0
max=0
pos=[[0 for x in range(3)] for y in range (3)]
print("\n matrix=")
for i in range(0,m):
    for j in range(0,m):
        print(matrix[i][j],end=" ")
    print()
for i in range(0,m):
    min=matrix[i][0]
    for j in range(0,m):
        if min>=matrix[i][j]:
            min=matrix[i][j]
            pos[0][0]=i
            pos[0][1]=j
    j=pos[0][1]
    max=matrix[0][j]
    for k in range(0,m):
        if max<=matrix[k][j]:
            max=matrix[k][j]
            pos[1][0]=k
            pos[1][1]=j
    if (min==max):
        if (pos[0][0]==pos[1][0] and pos[0][1]==pos[1][1]):
            print("saddle point=(",pos[0][0],pos[0][1],"): ",max)
```

matrix=

1 2 3

4 5 6

7 8 9

saddle point=(2 0): 7