

### LAB-3

Write Up - Dig. 2s Land Problem (Pseudocode)

for all pos in mat

if ~~not~~ mat[pos] == 1:

create a set with mat[pos] as parent

for all pos in mat

if !visit[pos] && mat[pos] == 1:

visit[pos] = 1

for all neighbours in mat[pos]:

if mat[neighbour] == 1:

Union of set mat[pos] and  
mat[neighbour]

no. of islands = no. of sets