```
Date : Oct 7, 20
                      ADS- hat 3.
                                       Akanksha haddha
                                         18M18csoo7.
                      Batch - B1.
               connected
 quel: find no of islands in guien 20 Havrin.
      int find Parent ( int or, int parent [])
        Il finds parent of int or in parent over.
          is parent [x] = x; i.e
                 Il stoot node is found
              return or;
          eure
           Il recursive can the function rerail we
            find the root node.
          return parent [x] = find Parent (parent [x],
                               parent);
      void union set ( int x, int y, ent parent [])
           Il find root made of is and if.
           is not made of it is not early de
           that of y the gent mat in
           same set
               .. me make
                 parent [ root x ] = scot y &
             decrement count.
      Il count raviable stores the total no of is in
        grid. It gets decremented even sime we create
                                     Created by ScannerLens
```

a set ..

4

int moof Island ( int guid [][20], int x, int y)

11 count no of i's cie no of islands) in gould be store it in not count.

Il create a parent away of sixe equal to

fo an xi ware shaw [ has " word

bird on also of an ai loo is dware

can element of grid [i][i] parent [ n\*i+j]

I initially cars element is parent of thelp

initially cars of more to look

indialise

parent [i] = i

H jou ( unt i=0; ir slow; i++)

for ( int j=0 ; j < cot; j++)

is cquid rist; ]=1)

i.e current position is an island,
me where for all 8 neighbours of
owners island and call rinion
func? on current island & the
neighbour.

Akanksha haddha 18m18cs007. Il to check in they belong to same set or not & seewen count Created by ScannerLens