WRITEUP

```
# include < stdio. h>
int minkey (int lay [], int mst Set[], int n)
                             it il widging of with the let trong
   int run = 100, min-index;
    int v;
    for ( v=0 ; v < n ; v++)
        if (mst set[v] = = 0 & 1 ky[v] zmin)
         min = = key [v], min_ index = v;
      return min-index;
     3
  int print MST (int parent [10], int (graph [10] flo), int n)
     int
                                  il at ridour pursopho was "If toing
    printf ("Edge It Weight In");
                                                   (++1(0)101)13
     for (i=1; icn; itt)
         print fl" 1.d - 7.d \t 1/d \n", parent [i], i, graph [i][parent[i]]);
                                  scant (" sain 19, 1 duby () two
     4
    void primMST (int graphfio][10], int n)
            parent in ];
       int ky (n);
       int mst Set [n];
       int i, wunt , v, u;
        for ( i=0; izn ; i++)
          key si )= 100, mot set si]=0,
         key [0] = 0;
         parent [0] = -1;
```

```
Tarum Sri Rom. D
                                                      18m19cs131
 for ( count =0; count < n-1; count ++) (
    u= min Key ( luy, mst Sel, n);
    mst Set [u] = 1;
    for [ v=0 ; V<n ; V++)
                                                       en other thinly a
   if I graphfulful if mitset [v] = = 0 () graphfulful exy [v])
     parent (v) = u, my (v) = graph(u)(v);
    print MST (parent, graph, n);
3
                             (nim = [ e7 go + [ v7 to 2 Don ) ];
int main()
                                 iv - robot nine [v] pol = = time
                                               skilled with the amiss
    graph [10](10];
int injuns
print + l" enter number of nodes \n");
scan (" /d", 4n);
print fl" Enter adjacency matrix \n");
                                        il "or/ suprabl $1 spt 3") Hairy
for ( i=0 ; icn ; i++)
                                               14+11 021 ; 1=1) 101
   for ( j= 8 ] ( j2 n) j (+) i ( [ i] ) i ( [ i] ) i ( +) [ n ] j ( n ) j ( n ) j ( n ) j ( n ) j ( n ) j ( n ) j
   sunt (" souther Vid', & graph (i) (j));
                            (or this [orlinging toi) Talk mily bis
prim MST (graph, n);
                                                  ([ni throng thi
 return 0;
                                                 alal sit that
                                              (++1: par = aritig
```

Modification :

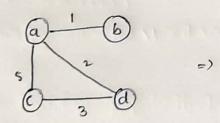
- * Take the input from user which node has to be excluded. Ext Excluded node = "c"
- +> In primMST function set it a has visited, than make its corresponding nodes as infinity.

mst Set [specified - node] = 02

From this above algo also

Its distance infinity with other other od.

Ex;



By excluding it noole