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DELTA/Page No.
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                       date 8th 5 cm 2021
 USN 18migcs 132
                        ADALABTECT 2
 Program no: - 5
# include (stdio.h)
int specified_node = 2;
int minkey (int key [], int mst set[], int n)
 int min = 100, min_index;
 ivet v:
  JOL (V=0; V<n; V++)
     y (mstset[v] == 0 Le key[v] < min)
       min= key[v], min_index = v;
   return min-index;
int printmer cint parent [10], int graph (10)(10), int n)
 & inti;
  print ("Edget Itweight In"),
    for Ci=1; icn; i++)
           y (parent [i] >10)
      print [ ("xd- xd \t x.d \n", parent [i], i,
      graph [i] [parent [i]];
void primmer ( int graph [10][10], intn)
  i int parent (n);
    int kycni,
     int met set [n];
    int i, count, v, u,
100 ci=o; icn; itt)
      pey (1) = 100, metset (17 = 0;
```

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DELTA Paga tea
 Key (0) = 0;
parent Co] = -1;
nst set Especified node] = 1;
   for Cintizo; icn; i++)
       1 for cintj=0; j<n; j++)
               a print ("".d\t", graph (1)(j)),
        print ("1"), y
for (count = 0; count en -1; count ++)?
      u= minkey (key, mst set, n),
       mst set [u]=1;
  for (V=0; VCh; V++)
    if cguph [u][v] = 0 & & guph [u][v] = 9%

& & mat set [v] = =0 & & guph [u][v] < huy[v])

parent [v] = u, huy [v] = guph [u][v];
 hint MST (parent, graph, N);
int main ()
 & Int graph [10][10];
      int ijini
    puint (" Enter no cof nocles (n");
   scanf ("v.d", 2n);
print | (" enter ordjeney matrix);
   for (1=0, jen; i++)
     & jor (j=0 j j kn ; j++)
          scan (" " d", & graph [i][]),
 for (inti=0; icn; i++)
i y (i== specified node 11 j == specified node i y (i==); elise graph (i) (i) == 999; y prim ms7 (graph n); returno; y
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	DELTA Page No.
	modification:-
	take the input from the user we which noch has to be excluded eg:- excluded noch
-3	in prim mer function set it has usited than make its wordeponding nodes as as
	mst set [specified_node] = z for [i=0; i <n; 1++)<="" td=""></n;>
	Jorcj=0; j <n; (1="=" j="=" j++)?="" node)<="" specified_="" specified_hode="" td="" y="" =""></n;>
	graph [i7[j] = 999;
	from above pseudocode we are excluding c by making its distance of wiret other nodes
	Eg:- 5 2 by excluding c'hode