```
Paims Algorithm
 Lab-9
# include Ls-1dio. h>
Hinclude a sidub.h>
 Void baims ()
  int clioslia, n;
  void main ()
 ent i,;;
 painty (" In enter the no. of vertices?");
geanty ("/d", sn);
painty (" In enter the cost matrix (n");
 for ( =1 : (<h; ++)
  for ( = 1 ; ( th ) ; (++)
   scant ("d", scri) (j));
 Brimi ();
 Void prims ()
  intij , u, v, min ;
  int ne=o, mincost=o;
  ent electroj;
   for ( 1=1 } PEn 9 8++)
   election = 0;
```

Dale: 01/02/2021

```
elec [1] =1;
  While (ne! = n-1)
  min = 9999
  for (6=1 ; 150; 1++)
 tû (j=1
           ijen ijtt)
   f (electr) ==1)
    if (cryli) & men)
    min = c [][];
    (elec[v] ;=1)
  painty ("In xd ---> xd = x/n", u,v, man);
  elec [v]= 11
     he = nefl;
      minlost = mincost +min;
  C[W][v] = C[v][u] - 9999;
frint ["In min cost = 2d", mincost);
```

```
Kaushkal - Algorithm
at include < stdio. n >
Henclude ( comio.h)
  Yord khushkal ();
   int clid [10], n,
   void main ()
   int ij:
   printy ("In enter the no. of verticult");
   scanj (" %d", fn);
   prenty ("In enter the cost material");
 for (i=1 ; izn jitt)
    for (j=1 i j<n ; j++)
   Beans (" 20", fc[][j]);
   Klurkali();
   Void Krykali()
     int i, j, u, v, a, b, min ;
     int ne = 0, mincost = 0;
     int parent [10];
     for (i=1 sich i++).
       facent [i] = 0;
```

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```
While ( nel = n-1)
   min - 9999;
  for (1=1 ; ich; i++)
   for (j=1; j = )
   if (cross) < min)
     min = ([][]);
       U= a=i;
While (parent [4] 1 =0)
  u= parent [w];
 while Coavent [v] !=0)
   V= parent [v];
 ff (ulzv)
 printy ("In %d - > 2d = /dln", a, b min);
 parent [V]= xi;
    he= no +1;
   mincost = mincost + min;
  c [0][b] = c(b)[a] = 9999;
  printy ( "In mincost = xd", mincost); }
```