Noimal Fawaz FIRST SEMESTER MLA PRITICAL ICEROMOA-2030 EXAMINATION - JUN-YOL DOMICA135 DAIA STRUCTURE LAB - 200) Dale: 30 June 2011 Balch - 1 Time: 1-00Pm-400Pm Murging of two Sorted Armay. (9:2) Implement prime Algorithm. (9:1) Aim: Menging of two Sould Amay. Pigm: #Include (61dio-11) #Include < conjoh > vold main () Int coinay (50), amaya (50), amaya [100], m,n,j,k=0; clascaca; printf ("In Enter Size of armay:"); Scanf ("10", em); pmintly ("In Cirlor Southed elements of avonogy : In"); By (1-0) Km; (H) Stant ("Id", 4 omay) [1]); point f ("In Gilos size of asviaya,"); Seanf ("/d", en); pount ("In Entry Swalted elements of evolution in"); Em (1:0; Kn; 14)

```
Stonf ("Id, & area [i]);
  1=0;
 1:0%
  while ( Kmærjan)
 If ( aviay I [i] x amoy & [i])
  ONDIGH 3 [K] = ONDIGH [i];
314+3
  else
  amoy3 [k] = amay2[i];
  KALS
 if (1>=m)
 while (jen)
 councy 3[k] = councy a [j];
 1416
 Kttj
if (>= n)
```

```
while (slkm)
  average 3 [k] : average [1];
  141;
 k 41;
Printf ("film Affor maging: In");
 for (1=03 km+n3 14)
  Print! ("In 1.cl", 0000043 [i]);
gleh();
Oulpul:
 Enter the Size of avancy : 3
 Enter Soulce elements of of a ways:
   2.3 4
 Enter the Size of comaya: 3
  Entur Souted elements of amaga:
   5 6
  Alla Munging:
```

```
0.0) Aim. Implement of prims Algorithm
   Diagnom: #Include Kokloch>
            Almelude K conio 4>
             int albuliving, i, i, ne =1
             the visited [10] = fog, min, mineast = 0, cost [10] [10];
             Void main();
               clascacy;
              Printf [ In Entor the number of nocks:");
              Sconf ("1d", 211);
              painlf ("In Enter the adjasency matrix: In");
             fon (1=1 ) K=n; 1++)
              Por (1=1) (1=1) [14]
           Scanf ("Id", & cost [1][]);
           If (not [i][i]==0)
           (06] [i][i] = 999;
            Visited [i] =1;
           Printf ("In");
           While (nekn)
          for (1=1, min=994; K=n; 1++)
          Pon (1=1)1x=n;31+)
          If (lost [i][i] < min)
          If ( visited [1]!=0)
```

```
min: (06L[J][j];
 प्रवास मार्
 b=v= j;
 If (visited [u] = 0 || visited [v] = 0)
5
 Printf ("In Edge 1d: (1d 1d) cost: 1d", ne+a+,aib,min);
  min(col + = min;
  Visited [b] =1;
 3
  (col [a][b] = cost [b][a] = 999;
 points ("In timinum (ost 17.d in") mincost);
 getches;
Culput:
 Enter the number of nocles: 6
 Enter the adjacency matrix:
  031600
  305030
  150564
  6 6 5 0 0 0
  0 36006
  0 0 4 2 60
```

Enge 1: (1 3) (cst: 1

Enge 3: (2 5) (ost: 3

Enge 4: (3 6) (ost: 4

Coge 5: (6 4) (ost: 2)

Minmum (186 : 13