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Shoctest Path using Digkstra's Algorithm.
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F-12-1-11 18

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Revanth. NM
1BM18CS081
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```
# include < stdio.h)
                                      # include < conio. h)
                                  # include < process.h)
# include < math.h>
                                  The last free but
# define IN 99
# define N
int dijsktie (ent cost [][n], ent sæme, int taget)
   int dist[N], prev[N], selected[N] = {0}, i, m, min, start, d, j;
   char path [N];
   801 (1=1; 1<N) 1; 1+1) 1
                          and, mile, w. f. i. full of hear he
     distilities;
                                  the all you to the state of the state
      Plev [i] =-1;
                                       01-10-11-10-11-10-11
    ; umos = trate
                                    Selected [start] = 1i
                                 : CON - 6 31 (1) 1/4 12
    dest [start] = 0;
                                    11066: 1086:12
    while (selected (target) == 0){
                                 min = IN;
       · Contat to the franch
       for ( := 1; 1 < N: 1++) {
         d = dist[start] + Cost [start][i];
         y (d < dist li) & & selected [i] == 0) {
             dust[:] = d;
             pur [1] = start;
         3 (wind still be shited Bleson) &
            min = dist();
```

```
start = m;
selected (start) = 1;
                                                      Revauth. NM
                                                       18M18CS081
start = target;
                                            Charles to the second
 1 (1-= 1) 1
                                          Charles to the Contract of the
   Parth (itt) = start +65;
                                           The same of the
  start = prev (start);
                                           I de la companya de la
                                             FF . 16 11 11 11
  Path (;) = '10';
  sterrer (path);
                                printly ("1.8", path);
   rutur dist (target):
                           TO HOLD IN CUITABLE BE
                                              [ [ 14] - 16 - 16 - 15
int masnes
int cost[N][N];; [w,ch,co, source, target, x,y;
                                           MARKET WATE FOR LOOK
Printy ("H Shortest path ");
                                              1 has 11/10 1
for (;=1; i<N; 1++)
                                              pure butte
    for ( =1 ; j < N; j++)
                                          " = Eliptola | but it
           cost[i][i]=IN;
                                          10- [ Leds | 11 ]
for(x=1:xKN; x++) {
                                 Har (topic) between the
   for(3=x+1; A<N; 2++)5
      Prints ("Enter the weight of the path bW %d and %d", x, y);
      samy 14 /2 d", & w);
                                 if the invite
    g cost [x][]= cost[y](x)= w;
    ; (" n/ ") ferring
                     it alles to fall we be for
 print 10 (n Enter The source");
 Sanf (" Xd", & source);
 prints (" in Enter the tagget");
 Slang 1" r.d", & target);
  Prints (" in Shortest path: "/d", digsktra (cost, some, taget);
```