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#include<iostream>
#include<climits>
using namespace std;
int minimumDist(int dist[], bool Tset[])
int min=INT MAX,index;
for (int i=0; i<6; i++)
if(Tset[i] == false && dist[i] <= min)</pre>
min=dist[i];
index=i;
}
return index;
void Dijkstra(int graph[6][6],int src)
{int dist[6];
bool Tset[6];
for(int i = 0; i < 6; i++)
dist[i] = INT MAX;
Tset[i] = false;
dist[src] = 0;
for (int i = 0; i < 6; i + +)
int m=minimumDist(dist,Tset);
Tset[m]=true;
for (int i = 0; i < 6; i++)
if(!Tset[i] && graph[m][i] && dist[m]!=INT MAX &&
dist[m]+graph[m][i]<dist[i])</pre>
dist[i] = dist[m] + graph[m][i];
cout<<"Vertex\t\tDistance from source"<<endl;</pre>
for(int i = 0; i < 6; i++)
char str=65+i;
cout<<str<<"\t\t\t"<<dist[i]<<endl;</pre>
int main()
int graph[6][6]=
\{0, 10, 20, 0, 0, 0\},\
\{10, 0, 0, 50, 10, 0\},\
\{20, 0, 0, 20, 33, 0\},\
\{0, 50, 20, 0, 20, 2\},\
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