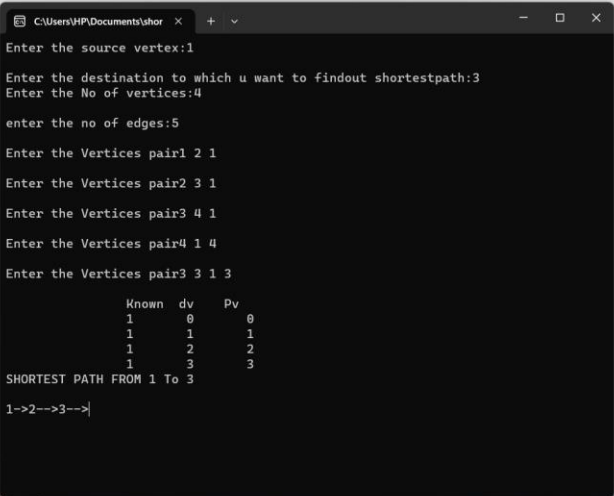


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1.C PROGRAMM FOR SHORTEST PATH



```
C:\Users\HP\Documents\shortest path.cpp - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
(globals)
Project Classes Debug shortest path.cpp
127 T[v].known=1;
128 ++i;
129 calad(v);
130 for(i=1;i<=j;i++)
131 {
132     u=adjacent[i];
133     if(T[u].known==0)
134     {
135         findcost(v,u);
136         if((T[v].dist+cost)<T[u].dist)
137         {
138             T[u].dist=T[v].dist+cost;
139             T[u].path=v;
140         }
141     }
142 }
143 }
144 min=99;
145 }
146 }
147
148 void printpath(int v)
149 {
150     if(T[v].path!=0)
151     {
152         printpath(T[v].path);
153         printf("%d-->",v);
154     }
155 }
156
157
158
159 int main()
160 {
161     int s,w,d;
162     printf("Enter the source vertex:");
163     scanf("%d",&s);
164     printf("\nEnter the destination to which u want to findout shortestpath:");
165     scanf("%d",&d);
166     printf("Enter the No of vertices:");
167     scanf("%d",&n);
168     initTable(s,w);
169     Dijkstra(w);
170     printTable(w);
171     printf("\nSHORTEST PATH FROM %d To %d",s,d);
172     printf("\n%d-->",d);
173     printpath(d);
174     getch();
175 }
```

Compiler Resources Compile Log Debug Find Results

Line: 1 Col: 1 Sel: 0 Lines: 190 Length: 2815 Insert Done parsing in 0.141 seconds

12:44 13-05-2023