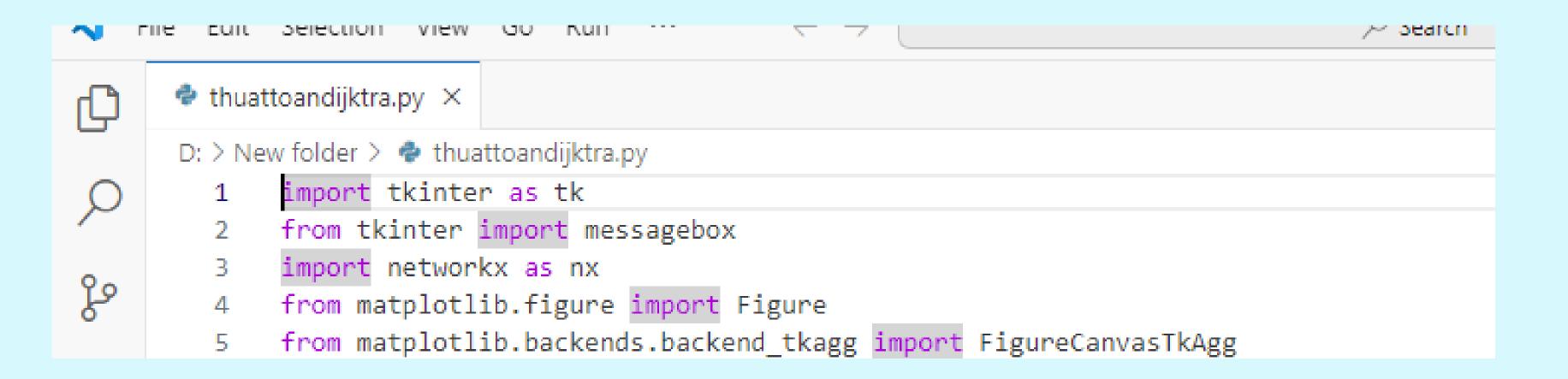


VIÊT CHƯƠNG TRÌNH MÔ PHONG THUÂT TOÁN DIJKTRA



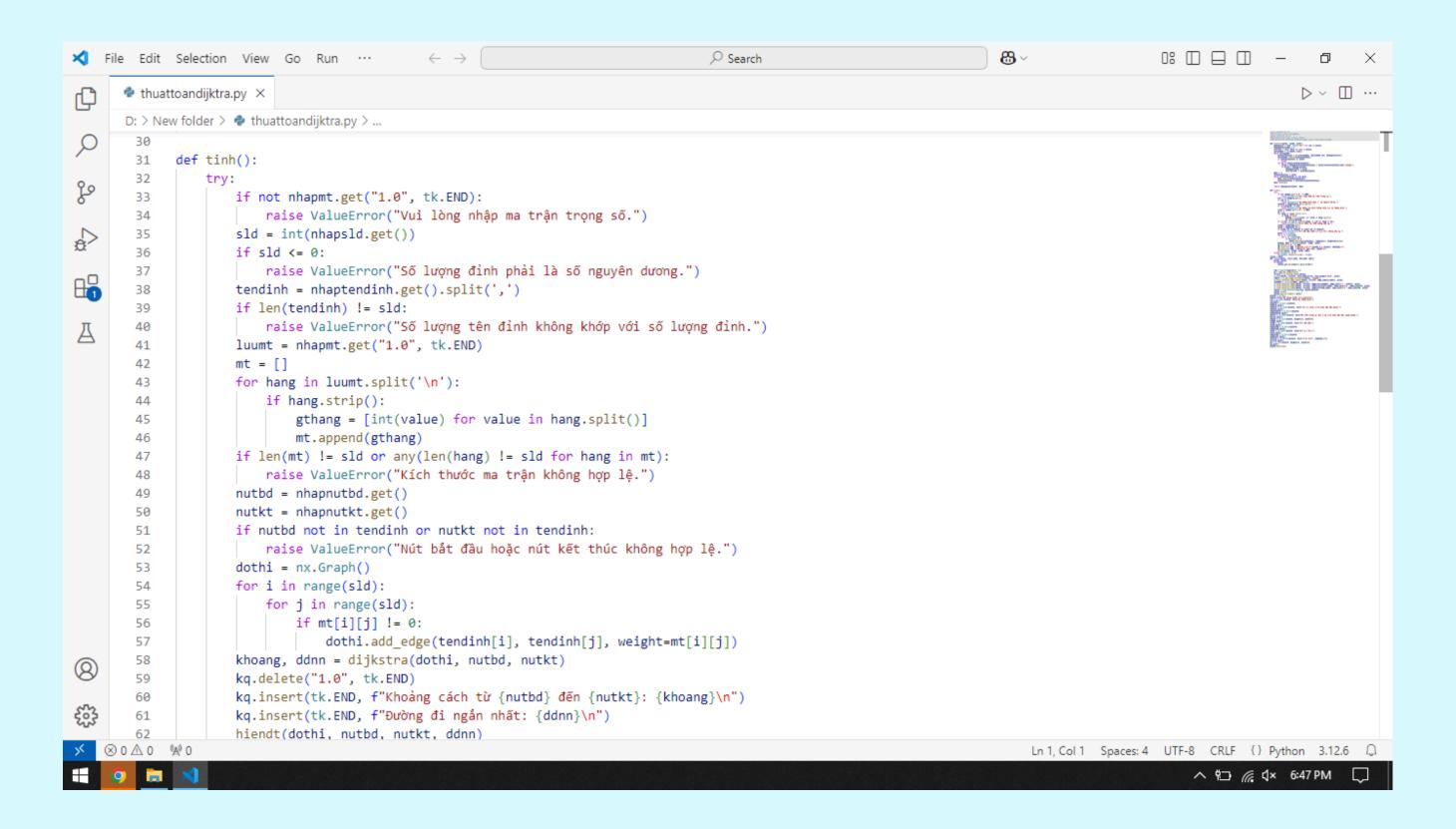
THƯ VIỆN

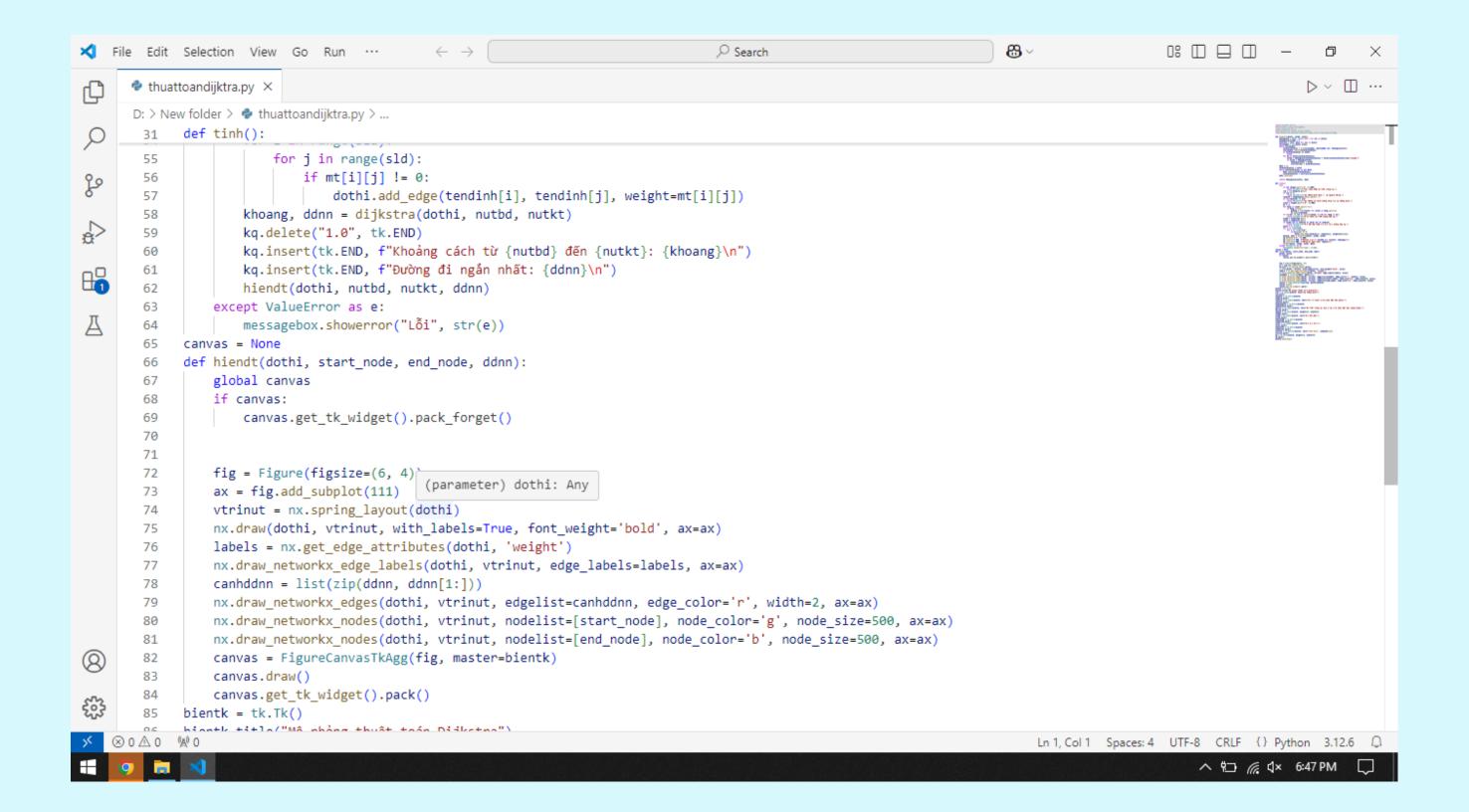


HÀM DIJKTRA

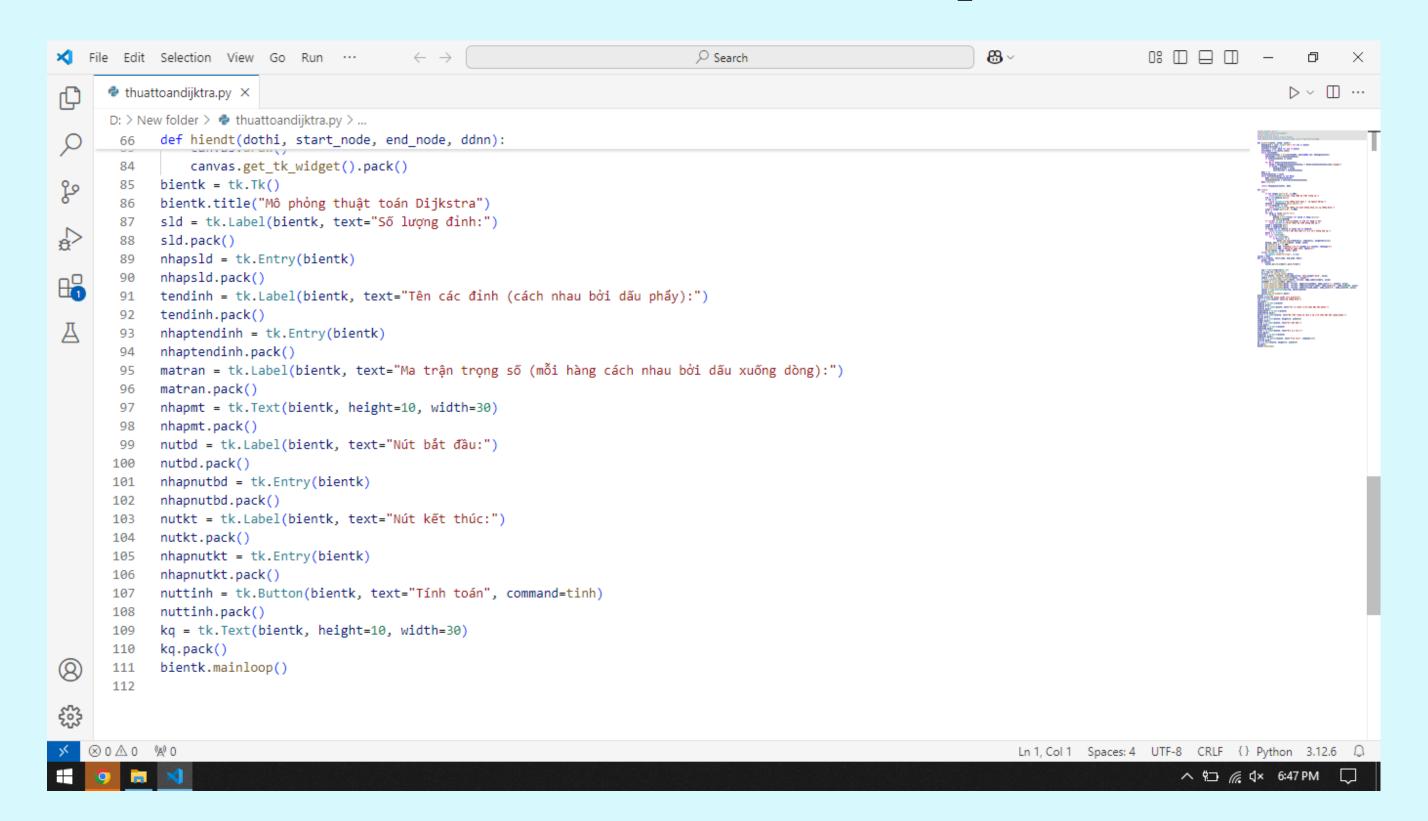
```
\
\
\
         6
             def dijkstra(dothi, nutbd, nutkt):
         8
                 khoangcach = {nut: float('inf') for nut in dothi}
                 khoangcach[nutbd] = 0
         9
                 nuttruoc = {nut: None for nut in dothi}
        10
                 nutchuaden = set(dothi.nodes)
       11
                 while nutchuaden:
       12
                     nutkcminhientai = min(nutchuaden, key=lambda nut: khoangcach[nut])
        13
                     nutchuaden.remove(nutkcminhientai)
       14
                     if nutkcminhientai == nutkt:
        15
                         break
        16
                     for ke in dothi[nutkcminhientai]:
        17
                         kctam = khoangcach[nutkcminhientai] + dothi[nutkcminhientai][ke]['weight']
        18
                         if kctam < khoangcach[ke]:</pre>
        19
                             khoangcach[ke] = kctam
        20
                             nuttruoc[ke] = nutkcminhientai
        21
        22
                 ddnn = []
                 nutkcminhientai = nutkt
        23
        24
                 while nutkcminhientai is not None:
                     ddnn.append(nutkcminhientai)
        25
                     nutkcminhientai = nuttruoc[nutkcminhientai]
        26
                 ddnn.reverse()
        27
        28
        29
                 return khoangcach[nutkt], ddnn
        30
```

HÀM TÍNH TOÁN





VEĐÔTHI



GIAO DIÊN

