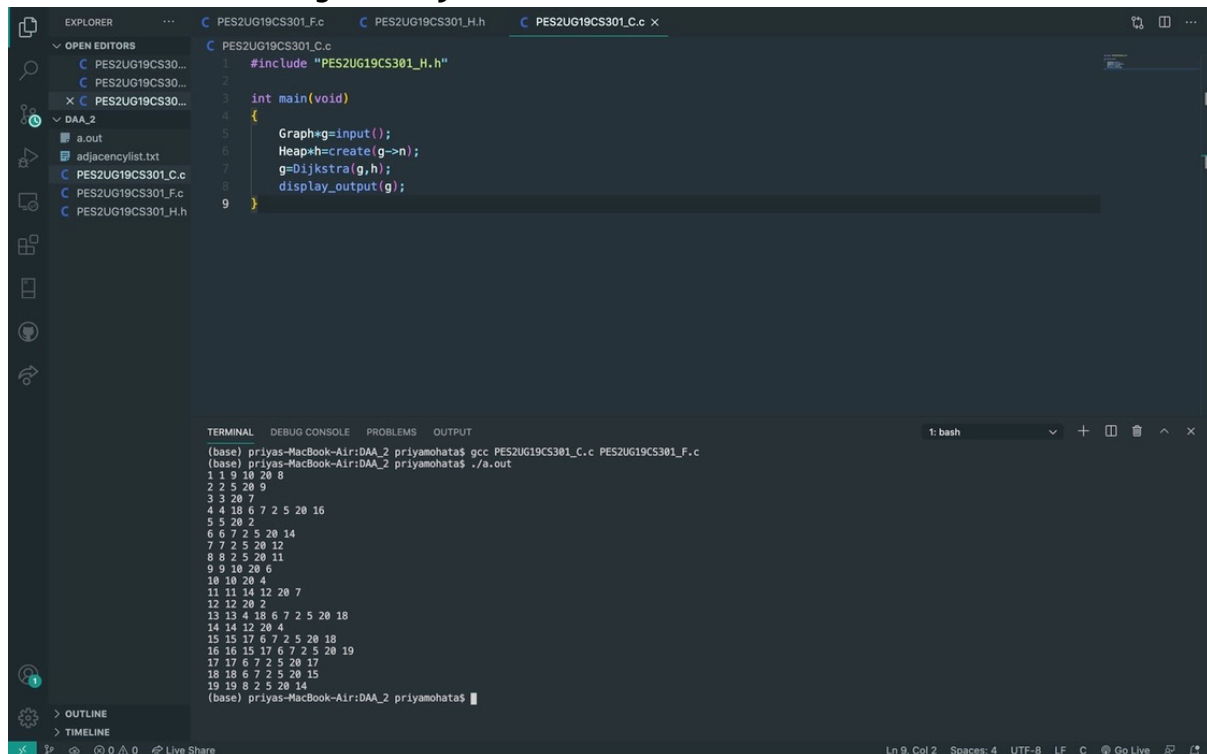


Name : Priya Mohata  
SRN : PES2UG19CS301

## Output Screenshots

For the file adjacencylist.txt

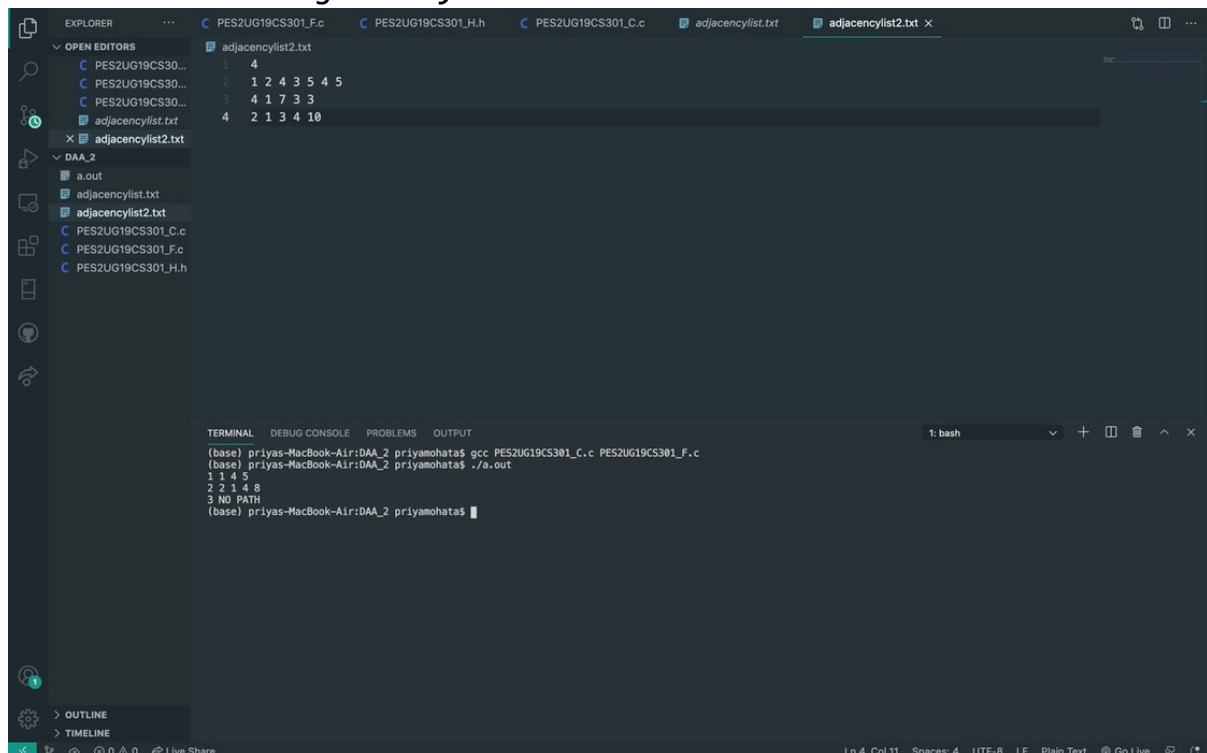


```
#include "PES2UG19CS301_H.h"

int main(void)
{
    Graph*g=input();
    Heap*h=create(g->n);
    g=Dijkstra(g,h);
    display_output(g);
}
```

```
(base) priyas-MacBook-Air:DAA_2 priyamohata$ gcc PES2UG19CS301_C.c PES2UG19CS301_F.c
(base) priyas-MacBook-Air:DAA_2 priyamohata$ ./a.out
1 9 10 20 8
2 2 5 20 9
3 3 20 7
4 4 18 6 7 2 5 20 16
5 5 20 2
6 6 7 2 5 20 14
7 7 2 5 20 12
8 8 2 5 20 11
9 9 10 20 6
10 10 20 4
11 11 14 12 20 7
12 12 20 2
13 13 4 18 6 7 2 5 20 18
14 14 12 20 4
15 15 17 6 7 2 5 20 18
16 16 15 17 6 7 2 5 20 19
17 17 6 7 2 5 20 17
18 18 6 7 2 5 20 15
19 19 8 2 5 20 14
(base) priyas-MacBook-Air:DAA_2 priyamohata$
```

For the file adjacencylist2.txt



```
1 4
2 1 2 4 3 5 4 5
3 4 1 7 3 3
4 2 1 3 4 10
```

```
(base) priyas-MacBook-Air:DAA_2 priyamohata$ gcc PES2UG19CS301_C.c PES2UG19CS301_F.c
(base) priyas-MacBook-Air:DAA_2 priyamohata$ ./a.out
1 1 4 5
2 2 1 4 8
3 NO PATH
(base) priyas-MacBook-Air:DAA_2 priyamohata$
```