

# CSE 102 Spring 2024 –Computer Programming Assignment 11

Umutcan Ocak // 220104004903

Youtube : <https://youtu.be/w6fIPBBAjSU>

## Part 1:

```
Enter the street number: 2
street: 2
Enter the avenue number: 3
avenue: 3
Number of paths to take back home: 3
umutcan@umutcan-VirtualBox:~/Desktop$ ./umut
Enter the street number: 5
street: 5
Enter the avenue number: 3
avenue: 3
Number of paths to take back home: 15
```

## Part 2 :

```
umutcan@umutcan-VirtualBox:~/Desktop$ ./umut
Enter the maximum number of hospitals that can be constructed: 3

Yes, can offer health care to all!
Hospital - 1
Hospital locations: ABC
Hospital - 2
Hospital locations: ACD
Hospital - 4
Hospital locations: CEF
umutcan@umutcan-VirtualBox:~/Desktop$ ./umut
Enter the maximum number of hospitals that can be constructed: 4

Yes, can offer health care to all!
Hospital - 1
Hospital locations: ABC
Hospital - 2
Hospital locations: ACD
Hospital - 3
Hospital locations: BF
Hospital - 4
Hospital locations: CEF
umutcan@umutcan-VirtualBox:~/Desktop$ ./umut
Enter the maximum number of hospitals that can be constructed: 2

No, some cities are not covered.
umutcan@umutcan-VirtualBox:~/Desktop$ ./umut
Enter the maximum number of hospitals that can be constructed: 10

Yes, can offer health care to all!

There are more hospitals than necessary.
```

## Part 3 :

```
umutcan@umutcan-VirtualBox:~/Desktop$ ./umut
```

Nine of Clubs	Nine of Diamonds
Deuce of Spades	Eight of Hearts
Four of Clubs	Ten of Diamonds
Five of Diamonds	Ace of Clubs
Five of Spades	Jack of Hearts
Seven of Spades	Ace of Diamonds
Five of Clubs	Deuce of Clubs
King of Clubs	Six of Diamonds
King of Hearts	Seven of Clubs
Three of Clubs	Jack of Clubs
Five of Hearts	Four of Hearts
Three of Hearts	King of Diamonds
Ten of Clubs	Deuce of Hearts
Deuce of Diamonds	King of Spades
Jack of Diamonds	Six of Hearts
Ace of Hearts	Jack of Spades
Ten of Hearts	Seven of Diamonds
Seven of Hearts	Nine of Spades
Ten of Spades	Three of Spades
Eight of Spades	Nine of Hearts
Four of Diamonds	Three of Diamonds
Eight of Clubs	Six of Clubs
Ace of Spades	Queen of Clubs
Queen of Diamonds	Queen of Spades
Queen of Hearts	Eight of Diamonds
Four of Spades	Six of Spades