

Description of Approach – I wrote a C++ program which uses dynamic sized vectors that can add any number of elements. I used a while loop which breaks when the operator selects EXIT option by entering 5. The vector used contains vectors as elements where each vector corresponds to a particular patient.

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Enter current date: 24/10/2020

Select operation:-
1-Add a patient
2-See Patient database
3-See number of patient's at given date
4-Show current number of patients
5-Exit
Enter option: 1
Enter patient's name: Ashish
Enter phone no.: 9848730385
Enter emergency phone no.: 7836028436
Enter age: 28
Enter gender.: Male
Enter Blood Type: A+
Enter weight: 72
Enter height: 112
Enter symptoms: Fever
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Enter option: 1
Enter patient's name: Shivani
Enter phone no.: 8584903847
Enter emergency phone no.: 7853947590
Enter age: 24
Enter gender.: Female
Enter Blood Type: O+
Enter weight: 60
Enter height: 108
Enter symptoms: Nausea
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Enter option: 2
Patient ID | Patient Name | Phone No. | Emergency contact | Age | Gender | Blood Type | Weight | Height | Symptoms | Date of Admission
1 | Ashish | 9848730385 | 7836028436 | 28 | Male | A+ | 72 | 112 | Fever | 24/10/2020 |
2 | Shivani | 8584903847 | 7853947590 | 24 | Female | O+ | 60 | 108 | Nausea | 24/10/2020 |
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Enter option: 4
Number of patients currently in hospital= 2-----

Enter option: 3

Enter date: 24/10/2020
Number of patients= 2-----

Enter option:
```