

Hospital_main.java

```

1 package problem6;
2
3 import java.util.*;
4
5 class Hospital_main {
6
7     public static void main(String args[]) {
8         Scanner sc = new Scanner(System.in);
9         int ch, cntd = 0, cntp = 0;
10        Hospital h = new Hospital();
11        do {
12            System.out.println("1. Add a new doctor\n2. Add a new patient\n");
13            System.out.println(
14                "3. Take readings\n4. Checkout patient\n" + "5. Display all readings of
a patient\n6. Exit");
15            System.out.println("Enter choice");
16            ch = sc.nextInt();
17
18            switch (ch) {
19                case 1:
20                    h.addDoctor();
21                    cntd++;
22                    break;
23
24                case 2:
25                    if (cntd == 0) {
26                        System.out.println("Add some doctor first before adding patient");
27                        break;
28                    }
29                    h.addPatient();
30                    cntp++;
31                    break;
32
33                case 3:
34                    if (cntp == 0 || cntd == 0) {
35                        System.out.println("Add some pateint or doctor first before taking any
recording");
36                        break;
37                    }
38                    h.takeReadings();
39                    break;
40
41                case 4:
42                    if (cntp == 0) {
43                        System.out.println("Add some pateint first");
44                        break;
45                    }
46                    h.patientCheckout();
47                    break;
48
49                case 5:
50                    if (cntp == 0) {
51                        System.out.println("Add some pateint first");
52                        break;
53                    }
54                    h.displayReadings();
55                    break;
56
57                case 6:
58                    System.out.println("Now quitting");
59                    System.exit(0);
60                    break;

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61
62     default:
63         System.out.println("invalid choice");
64
65     }
66
67     } while (ch != 6);
68 }
69 }
70
```