

Q7:- Which floor:-

Date:

IPO

Input	Process	Output
① 7 digit binary number representing 7 segments.	① Check which pattern matches the "binary number". ② If LCD displays 1111110 then floor is '0'. ③ If LCD displays 0110000 then floor is '1'. ④ If LCD displays 1101101 then floor is '2'. ⑤ If LCD displays 1111001, floor is '3'. ⑥ If LCD displays 0110011, floor is '4'. ⑦ If LCD displays 1011011, floor is '5'. ⑧ If LCD displays 1011111, floor is '6'. ⑨ If LCD displays 1110000, floor is '7'. ⑩ If LCD displays 1111111 floor is '8'. ⑪ If LCD displays 1111011 floor is '9'.	• Display the corresponding floor number.

PSEUDOCODE

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1 START
2 INPUT binary number
3 IF binary number = 1111110 THEN
4 PRINT "Floor 0"
5 ELSE IF binary number = 0110000 THEN
6 PRINT "Floor 1"
7 ELSE IF binary number = 1101101 THEN
8 PRINT "Floor 2"
9 ELSE IF binary number = 1111001 THEN
10 PRINT "Floor 3"
11 ELSE IF binary number = 0110011 THEN
12 PRINT "Floor 4"
13 ELSE IF binary number = 1011011 THEN
14 PRINT "Floor 5"
15 ELSE IF binary number = 1011111 THEN
16 PRINT "Floor 6"
17 ELSE IF binary number = 1110000 THEN
18 PRINT "Floor 7"
19 ELSE IF binary number = 1111111 THEN
20 PRINT "Floor 8"
21 ELSE IF binary number = 1111011 THEN
22 PRINT "Floor 9"
23 ELSE
24 PRINT "Invalid Input!"
25 END IF
26 ENP
```


FLOWCHART

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