# Problem 7: Which floor….

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## IPO CHART:

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| **INPUT** | **PROCESS** | **OUTPUT** |
| 7 digit number | Compare the 7 digit input with  the code of every floor and then  according set the output as floor  number. for 0 code is 1111110  for 1 code is 0110000  for 2 code is 1101100  for 3 code is 1111001  for 4 code is 0110011  for 5 code is 1011011  for 6 code is 0011111  for 7 code is 1110001  for 8 code is 1111111  last for 9 code is 1110011 | Number of floor |

## PSEUDOCODE:

1. DEFINE Input , floor;
2. INPUT floor;
3. input\_code = input("Enter the code: ")
4. if input\_code == "1111110":
5. floor = 0
6. elseif input\_code == "0110000":
7. floor = 1
8. elseif input\_code == "1101100":
9. floor = 2
10. elseif input\_code == "1111001":
11. floor = 3
12. elseif input\_code == "0110011":
13. floor = 4
14. elseif input\_code == "1011011":
15. floor = 5
16. elseif input\_code == "0011111":
17. floor = 6
18. elseif input\_code == "1110001":
19. floor = 7
20. elseif input\_code == "1111111":
21. floor = 8
22. elseif input\_code == "1110011":
23. floor = 9
24. else:
25. floor = "Invalid code"
26. Print the result
27. print("The floor is:", floor)

## A diagram of a flowchart Description automatically generatedFLOW CHART:

A diagram of a flowchart

Description automatically generated

A diagram of a flowchart

Description automatically generated