# Problem 2: Faulty Keyboard

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## IPO CHART:

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| **INPUT** | **PROCESS** | **OUTPUT** |
| Input faulty number  that Mr Bhoola has written | Start loop and check last to digits  in every loop and check if they are 9 and 0  in that order , if yes the remove 0 if not  then divide the number by 10 and go for next  iteration | Result |

## PSEUDOCODE:

1. Initialize variables
2. a = 0
3. num1 = 0
4. num2 = 0
5. correctNum = 0
6. count = 1
7. print("Enter any number:")
8. input a
9. print("The number Mr. Bhool's write:", a)
10. while a > 0:
11. num1 = a % 10
12. num2 = (a / 10) % 10
13. if num1 == 0 and num2 == 9:
14. correctNum = correctNum + 9 \* count
15. a = a / 100
16. else:
17. correctNum = correctNum + num1 \* count
18. a = a / 10
19. count = count \* 10
20. Print correctNum

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