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**COURSE CODE: CSC235**

**Self-describing number pseudocode**

**BEGIN**

1. **CREATE** a c file
2. **OPEN** a text file
3. **READ** the first line of the file to get the number of test cases
4. **READ** the next line to get the number
5. **CREATE** a variable called count
6. **SET** count to be equal to the no times a digit occurs in the number starting from 0
7. **OBTAIN** the digit from the number
8. **CREATE** a variable called noOfOccurence
9. **COUNT** the digit in the number and store it in noOfOccurence
10. **CHECK** if the noOfOccurence is not equal to count

**THEN** **OUTPUT** “not self-describing”

**BREAK**

**GOTO** step 4

1. **If** noOfOccurence is equal to count **GOTO** step 7 until all the digits has been checked
2. **OUTPUT** “Self-describing”
3. **GO TO** step 4 until the number of test cases
4. **CLOSE** the file

**END**