Problem Analysis

Input

- Enter variable input.

Process : Check whether the type of the entered variable is a character, a digit or a special character.

- If the variable is a digit, check if it is odd or even.
- If the variable is a character, then check if it is in uppercase or lowercase and then if if it's a vowel or a consonant.

Output-

- Display Either odd or even(for digits).
- Either uppercase vowel or lowercase vowel or either uppercase consonant or lowercase consonant(for letters)
- Special character (for special characters).

Pseudo code

- Step1:start.
- Step2:Read variable input.
- Step3:check whether the entered variable is a character ,digit or special a character.
- Step4:if variable is digit check if it is odd or even. If variable is character tell if it is in lowercase or uppercase and if it is a vowel or a consonant. If variable is special character print special character.
- Step5:print variable.
- Step6:stop.

Flowchart

Symbol Checker

Start

Read an input

Is input == alphabet ?

Is isdigit (input) ?

Is isupper(input) ?

Is input % 2 == 0 ?

Is input == 'a' || 'e' || 'i' || 'o' || 'u' ?

Is input == 'A' || 'E' || 'I' || 'O' || 'U' ?

Print "Odd number"

Print "Even number"

Print "Special character"

Print "Lower Case Consonant letter"

Print "Lower Case Vowel letter"

Print "Upper Case Consonant letter"

Print "Upper case Vowel letter"

Yes   No   Yes   No   Yes   No   Yes

end