

I. Revise the **AP1ch05Program** that will input, from JOptionPane, a character and uses a **switch** structure to output:

"it's a vowel" or
"might be a vowel" (for an input of 'Y') or
"not a vowel"

Further specifications:

- a) Do not use the above statements more than once in the coding!
- b) Use a default for one of the above.
- c) The command **case** should be used six times
- d) Allow upper or lower case characters to be input by using the charAt(), and the toLowerCase() methods
- e) loop the whole program 5 times using a **for** loop
- f) now loop the whole program using a **do while** loop and asking if you want to repeat the program
- g) make a **while** error trap loop checking that the last repeat input is a y, Y, n, or N.
- h) Save as **AP1ch06Program** then compile, run, and debug.

When perfect, show your teacher the coding and output (run).

(teacher signature)