

**COP-2800: Java Programming**

**Assignment 4-13**

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# Document Version Control

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# Technical Specifications

## Purpose of Technical Implementation

\*4.13 (Vowel or consonant?) Write a program that prompts the user to enter a letter and check whether the letter is a vowel or consonant. Here is a sample run:

--------------------------------------------------------------------  
  
**Enter a letter: B**  
**B is a consonant**

**Enter a letter grade: a**  
**a is a vowel**

**Enter a letter grade: #**  
**# is an invalid input**

## Psuedocode

Start

Define vowels array

While loop

Ask for user input

If length of input is greater to 1

Print not a single character

Continue

Else if character is digit

Print that’s a number

Continue

Else if character is not a letter

Print not a letter

Continue

Else if character is a letter

Print that’s a letter

Initialize isvowel Boolean

Check if character is a vowel with for loop

If isvowel true

print it is a vowel

break

Else

print it is a consonant

break

## Screenshot of working code

https://github.com/rsaavedravaldivia/java2024/tree/2952a9c23402d26c84373f249d98b46526403d84/java2024

A screenshot of a computer program

Description automatically generated