Module main ()

//Declare the necessary variables

//Declare digits variables to be used to check for digits in password later

Int digits

//Declare password to store user input

String password

//Define user input

Display "Enter a password: "

//Store user input as variable "password"

Input password

//If statement to check if the password is at least 8 characters long

If (password.length() <= 7)

Display "Invalid Password"

End if

//For loop to check each character in the password, this is

//checking to verify that all characters are either digits or letters

For (int i = 0; i < password.length(); i++)

If (!Character.isLetterOrDigit(password.charAt(i)))

Display "Invalid Password"

End if

End for

//For loop to check the password for digits

For (int i = 0; i < password.length(); i++)

If (Character.isDigit(password.charAt(i)))

//Increment the digit counter each time a digit is found

digits++

End if

End for

//If statement to check whether there was at least 2 digits in the password

If (digits < 2)

Display "Invalid Password"

//If the password passed all tests, it is a valid password

Else

Display "Valid Password"

End if

End Module