//LanguageMenuPJG

Module main()

//variable for return value

Declare Integer selection

//will display menu while user does not choose to close the program

do

//return value from displayMenu is assigned to selection

Set selection = displayMenu()

//case structure using 'selection' variable for decision

//corresponding numbers call their module; 5 closes program

Select selection

Case 1:

Call speakEnglish()

Case 2:

Call speakItalian()

Case 3:

Call speakSpanish()

Case 4:

Call speakGerman()

Default:

Display "The program will now end."

End Select

While selection != 5

End Module

//function prints menu and get user's input; returns the value to main()

Function Interger displayMenu()

//variable for input

Declare Integer choice

//variable for mismatch loop

Declare Boolean intInput = false

Display " Select a Language and I Will Say Good Morning"

Display "1. English"

Display "2. Italian"

Display "3. Spanish"

Display "4. German"

Display "5. End the program."

Display //whitespace

Display "Enter your selection: "

//check for mismatch with while loop

While NOT intInput

Try

//get input

Input choice

Set intInput = true

End Try

Catch

Set intInput = false

//clear input

Display "Invalid selection."

Display "Please input 1, 2, 3, or 4."

Display "Enter your selection: "

End Catch

End While

//once no mismatch has been determined set intInput back to false for future use

Set intInput = false

//validates input from user

//while input is outside 1-4 it will ask for new input

While choice < 1 OR choice > 4

Display "Invalid selection."

Display "Please input 1, 2, 3, or 4."

Display "Enter your selection: "

//check for mismatch with while loop

While NOT intInput

Try

//get input

Input choice

Set intInput = true

End Try

Catch

Set intInput = false

//clear input

Display "Invalid selection."

Display "Please input 1, 2, 3, or 4."

Display "Enter your selection: "

End Catch

End While

//set intInput back to false for further validation and mismatch test

Set intInput = false

End While

Return choice

End Function

//prints "new doc" to user

Module openDocument()

Display "You have opened a new document."

Display //whitespace

End Module

//prints "closed doc" to user

Module closeDocument()

Display "You have closed the document."

Display //whitespace

End Module

//prints "printed doc" to user

Module printDocument()

Display "You have printed the document."

Display //whitespace

End Module