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| **LAB211 Assignment** | **Type:** | **Short Assignment** |
| **Code:** | **J1.S.P0062** |
| **LOC:** | **26** |
| **Slot(s):** | **1** |

**Title**

Create a program to analyze file path.

**Background**

N/A

**Program Specifications**

Create a program take input data is a path to a file and return following information

* Disk driver
* File name
* File extension
* Folders name
* Path to file folder

Print info to screen

***Function details:***

**Function 1:** Display GUI And Input Data.

* Users run the program. The program prompts users input Data.
* Auto next **Function** **2**.

**Function 2:** Perform function

* Program display information: disk driver, path to folder, file extension, file name
* Show info to screen and exit program

***Expectation of User interface:***

===== Analysis Path Program =====

Please input Path:

C:\Windows\test.txt

----- Result Analysis -----

Disk: C:  
Extension: txt  
File Name: test  
Path: C:\Windows  
Folders: [Windows]

1

2

**Guidelines**

**Student must implement methods**

* getPath
* getFileName
* getExtension
* getDisk
* getFolders

**in startup code.**

**Example:**

* Using functions LastIndexOf, IndexOf, SubString, Split of String.

**Function1:** Get the path to file folder without file name

* Create a function: public String getPath()
  + Return value: path to file folder without file name

**Function 2:** Get filename without file extension.

* Create a function: public String getFileName()
  + Return value: filename without file extension.

**Function 3:** Get file extension.

* Create a function: public String getExtension()
  + Return value: file extension.

**Function 4:** Get disk driver.

* Create a function: public String getDisk()
  + Return value: Disk driver name.

**Function 5:** Get folders name.

* Creae a function: public String[] getFolders()
  + Return value: Folders name.