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| **LAB211 Assignment** | **Type:** | **Short Assignment** |
| **Code:** | **J1.S.P0079** |
| **LOC:** | **130** |
| **Slot(s):** | **2** |

**Title**

Create a program to zip and unzip file (project CBDT)

**Background**

NA

**Program Specifications**

Create a program zip and unzip file with following menu

1. Zip file.
2. Unzip file.
3. Exit.

* When user chooses 1
  + Prompt user to input path to files need to be zipped
  + Prompt user to input zip file name
  + Perform zipping file in folder
* When user chooses 2
  + Prompt user to input path to ne to be unzipped file
  + Prompt user to input path to destination unzipped files
  + Perform unzip task
* When user chooses 3: exit program

***Function details:***

**Function 1:** Display a menu and ask users to select an option.

* Users run the program. The program prompts users to select an option.
* Users select an option, perform **Function** **2**.

**Function 2:** Perform function based on the selected option..

* Option 1: zip file
  + Input path to need to be zipped files
  + Named zip file
  + Perform zip task
* Option 2: Unzip file
  + Input path to be unzipped file
  + Input path to destination unzip files
  + Perform unzip task
* Option 3: Exit program

### *Expectation of User interface:*

========= Zipper program =========

1. Compression
2. Extraction
3. Exit

Please choice one option:

---------- Compression --------Enter Source Folder:

Enter Destination Folder:

Enter Name:

------------ Result -----------

File name 1.txt

File name 2.exe

Successfully

---------- Extraction ---------

Enter Source file:

Enter Destination Folder:

------------ Result -----------

File name 1.txt

File name 2.exe

Successfully

2

1

3

**Guidelines**

**Student must implement methods**

* compressTo
* extractTo

**in startup code.**

**Example:**

Student uses package java.util.zip to perform zip and unzip

**Function 1:** zip file

* Implement function: public static boolean compressTo(String pathSrc, String fileZipName, String pathCompress)
  + Input:
* pathSrc: path to folder contain need to be zipped files.
* fileZipName: zip file name.
* pathCompress: Path to zip file.
  + Return: zipping file status.

**Function 2:** Unzip.

* Implement function: public static boolean extractTo(String pathZipFile, String pathExtract)
  + Input:
* pathZipFile: Path to zipped file.
* pathExtract: path to destination folder contains unzipped file
  + Return value: unzip status.