Noime Rose G. Cordova BSIT 2-1

A.ENGAGE: Reflection

Misconception Check

How the OOP works in arrays, table, string and files manipulation?

Arrays allow us to store arbitrary sized sequences of primitive values or sequences of references to objects- Arrays allow easy access and manipulation to the values/objects that they store. Arrays are indexed by a sequence of integers. Strings are widely used in Java programming, are a sequence of characters. In Java programming language, strings are treated as objects. Table is a natural representation to use: - Displays a grid of data consisting of rows and columns similar to a spreadsheet. - The JTableclass is NOT a spreadsheet, but it supports many features that make it superior to a simple spreadsheet component. File is tedious to type in all the data to be processed each time the program is run. It is not very useful if the data and results cannot be saved.

B.EXPLORE:

Other class and methods

1. List down the other class and methods of string, file, array and table manipulation on the table below.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | | | | | | | |
| STRING | | ARRAY | | TABLE | | FILE | |
| CLASS | METHOD | CLASS | METHOD | CLASS | METHOD | CLASS | METHOD |
| java.lang.String | charAt() | java.util package | static List | JTableclass | ExampleTable() | class CreateFile | Scanner kybd = new Scanner(System.in); |
|  | contains() | java.lang.Object | static int | public class ExampleTable | JFrame() | public class Payroll | Scanner inFile = new Scanner(new File(fName)) |
|  | getChars() | java.lang.Objectjava.util.AbstractCollection<E> | static boolean |  |  |  | String name = inFile.next() |
|  | indexOf() | java.util.ArrayList<E> | static void |  |  |  |  |
|  | replace() |  | binarySearch |  |  |  |  |
|  | toCharArray() |  | equals |  |  |  |  |
|  | toLowerCase() |  | fill |  |  |  |  |
|  | toUpperCase() |  | asList |  |  |  |  |
| Java StringBuffer | StringBuffer() |  | sort |  |  |  |  |
|  | StringBuffer(String str) |  |  |  |  |  |  |
|  | StringBuffer(int capacity) |  |  |  |  |  |  |
|  | append(String s) |  |  |  |  |  |  |
|  | insert(int offset, String s) |  |  |  |  |  |  |
|  | replace(int startIndex, int endIndex, String str) |  |  |  |  |  |  |
|  | delete(int startIndex, int endIndex) |  |  |  |  |  |  |
|  | reverse() |  |  |  |  |  |  |
|  | capacity() |  |  |  |  |  |  |
| StringBuilder |  |  |  |  |  |  |  |