|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **V. TEACHING-LEARNING ACTIVITIES** | | | | | | | | | | |
| Note: Add a folder and name it as **module1\_tla** (tla means Teaching Learning Activities) before you commit your answer/document. Commit your answer/document on your remote repository that shared to your instructor github account.  **A. ENGAGE: Reflection**  **Misconception Check**  How the OOP works in arrays, table, string and files manipulation?  It is a programming paradigm where everything is represent as an object. Object pass messages to each other. Each object decides what to do with a receive messages. OOP focuses on each object’s states and behaviors.  It encapsulates both the statistic properties and dynamic operation and specific the public interface for using. OOP focus on components that the user perceives, with object as the basic unit. | | | | | | | | | | |
| **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 | |
| StringBuilder  String  String Buffer | toCharArray();  charAt();  toLowerCase();  contains();  getChars();  toUpperCase();  indexOf();  replace(); | Array  ArrayList | System.arraycopy (from, fromStart, to, toStart, count); | Default TableModel  Jtable | getColumns();  getModel();  getRowcount(); | | Java.ioFile | | getName();  getAbsolutePath();  list();  mkdir();  exists();  length();  delete(); | |
|  | | | | | | | | | | |
| **C.EXPLAIN: Reading**  To understand the module activities, read and practice the reading materials. | | | | | | | | | | |
| **D.ELABORATE: Coding**  Write a java program that uses OOP technique:   1. Create another class and methods that returning a **charAt()** and **indexOf()** manipulated String. 2. Create another class and methods that convert and return as ArrayList from array data. | | | | | | | | | | |
| **E.EVALUATE**  **Self-Assessment.**  Kindly check (✔) the box of your answer for each question. In this way, we will be able to assess how much we have learned and what are the things that needs to be | | | | | | | | | | |
| improved. | | | | | | | | | | |
| **Questions** | | | | | | **YES** | | **NO** | | **MAYBE** |
| **1. Did I work hard on this module?** | | | | | | ✔ | |  | |  |
| **2. Did I understand what my teacher asked me to do?** | | | | | |  | |  | | ✔ |
| **3. Did I spend enough time to finish answering this module?** | | | | | | ✔ | |  | |  |
| **4. Did I make good use of available resources?** | | | | | | ✔ | |  | |  |
| **5. Did I check/ review my work for possible errors?** | | | | | | ✔ | |  | |  |
| **6. Did I learn something in this module?** | | | | | | ✔ | |  | |  |
| **7. Did I ask questions if I needed help?** | | | | | |  | |  | | ✔ |
| **8. Did I read the instructions carefully?** | | | | | | ✔ | |  | |  |
| **9. Did I set high standards for myself?** | | | | | | ✔ | |  | |  |
| **10. Did I meet the success criteria?** | | | | | |  | |  | | ✔ |