Republic of the Philippines
MARINDUQUE STATE COLLEGE
COLLEGE OF INFORMATION AND COMPUTING SCIENCES
Panfilo M. Manguera Sr. Rd., Tanza, Boac, Marinduque
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Courses Offered:
Boac Campus:
BS Information Technology
BS Information Systems
(AACCUP Accredited Level 2)
Santa Cruz Campus:
BS Information Systems
(AACCUP Accredited Level 2)

Management System
ISO 9001:2015

W O R K S H E E T 2
Programming Overview

Names: Berniel P. Zulueta | Vienna L. Piguerra   **Score:** _____
Yr. and Section: 2/E   **Date:** Feb. 19, 2023

Instructions:
Select 1 (one)Topic :
- Levels of programming languages
- Compiler vs. Interpreter
- Application vs. Scripting languages
- Console vs. GUI

Create a 3-5 mins video presentation discussing about the language information, its use cases, examples, pros and cons. Emphasize what makes their language unique and why it is important. The video should be of high quality and 1920x1080 dimensions, and link of video uploaded on a YouTube account (unlisted) and a description in PDF format should be submitted in GClassroom.

Link here:

Description:

   In this video we will get to know about the difference between the two user interface called the "Graphical User Interface and the Command Line Interface".

   Computers and other electronic devices cannot manipulate themselves alone, that is why user interfaces is a factor that help to contribute to have an effective human and computer interaction. What do we benefit from user interface is that it serves as tool to human and computers for interaction to takes place. Users perform actions by inputting set of controls while on the other hand machines or computer produced information output based on the controls they received. The Graphical User Interface (GUI) and the Command Line Interface (CLI) are two effective and highly utilized interfaces of computer users by whether novice or professional ones. The GUI allows users to operate and have a direct interaction to computers through the use of graphical representations such as the buttons, scroll bars, windows aided by any pointing devices. It is thereby to change or enhance for the improvement of the operation of the early text-based command line interface. Whereas the latter is the one that is text-based, allowing computer programs to run, manage files by accepting

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command inputs through keyboards in the command prompt. Furthermore, both worked depends on their functionality and advantages GUI provides a more user-friendly experience, allowing users to quickly understand how to use a certain software since it provides the visual representation of data leading to ease interpretation and analysis. Although CLI is only a text-based, it still provides a powerful and efficient way of completing and automates task and provide a more secured environment as it is less vulnerable to attack than to GUI. The disadvantages of the two is that GUI can be more resource intensive which requires to more processing power and memory and sometimes hard to navigate since it utilized multiple menus and windows while the CLI user should be more knowledgeable and expert about the various commands to manually type to the system. To which interface is best for particular task will also depend on the users experience and knowledge. Novice users may prefer GUI while more experienced users may prefer the CLI.

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