Middle East College

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MOCK EXAM LAB EXAM-1

Module Code: COMP 20039　　　**Module Name:** **SCRIPTING LANGUAGE PROGRAMMING**

Duration:1.30 Hours

Max. Marks: 100

Instructions to Student

- **Answer *all the question.***
- **The marks received on the assessment will be scaled down to the actual weightage of the assignment which is 30 marks**
- **Compile and Run your files.**
- **Once the above process is done, COPY and PASTE all questions solutions along with screenshots of results in one single word file.**
- **Login to Moodle using your College-ID.**
- **Upload the word file to link created in Moodle (Submit your Lab exam solutions here)**

1. Implement a class MusicLibrary that can manage song records. The class should have the following methods:

   a. __init__(self): Initializes an empty dictionary to store song records.

   b. add_song(self, song_id, artist_name): Adds a song to the library with the given song ID and artist name. It should print a message confirming the addition.

   c. get_song(self, song_id): Retrieves the artist name of the song associated with the provided song ID. If the song is found, return the artist name; otherwise, return "Song not found."

   Additionally, implement the main() function to create an instance of the MusicLibrary class and provide a

   simple menu-driven interface to interact with the library. The menu should offer the following options:

   a. Add Song

   b. Get Song

   d. Exit

   (50 Marks)

2. Your task is to create a simple calculator(*,-,%,+). Choose two programming languages (Python, Java, JavaScript), assess their suitability, and pick one. Implement the solution in your selected language and provide explanatory comments on why you opted for that specific language based on any two criteria.

(50 Marks)