

CSE212
SOFTWARE DEVELOPMENT METHODOLOGIES
FALL 2022
LABWORK 1 – SECTION 1

Below, you can find the description of your labwork for today. You can also find the expected output of this code in the Application Walkthrough section.

You are going to start developing a Theater Reservation and Ticketing System. For this week's labwork, you are just going to create a simple system that handles a single type of event, which is a Play.

To this purpose, you are going to create a *Play* class that includes *eventName*, *startTime*, *date* and *duration* variables. It will also have a *displayInfo()* method to display the information about the *Play* and *calculateEndTime()* method to calculate the ending time of the *Play*. (Duration is in hours; 1, 2, or 3)

You should create few *Play*'s and show their information and their ending times by implementing a menu as below;

1. Create new Play
2. Display all Plays
0. Exit

PS: You can use basic C-style arrays.

Application Walkthrough

1. Create new Play
2. Display all Plays
0. Exit

1

Event Name: Macbeth
Start Time: 20:00
Date: Oct 20 2022
Duration (in hours): 2

Play created!

1. Create new Play
2. Display all Plays
0. Exit

1

Event Name: Mamma Mia!
Start Time: 19:00
Date: Oct 24 2022

Duration (in hours): 3

Play created!

- 1. Create new Play
- 2. Display all Plays
- 0. Exit

2

Macbeth starts at 20:00 on Oct 20 2022 and ends at 22:00

Mamma Mia! starts at 19:00 on Oct 24 2022 and ends at 22:00

- 1. Create new Play
- 2. Display all Plays
- 0. Exit

0