# CS 1110 Assignment 2

## 1.  Date Class

**Name:** `Date.java`

Create a Date class with the following items:
Attributes:
- Year
- Month
- Day

Constructors:
- No argument constructor (set the attributes to default values)
- Constructor that allows the year, month, and day to be specified

Operations:
- toString() to return a string representation of the Date in the format year-month-day (e.g., 2018-2-1)

Add a main() method to the Date class that creates two Date objects, one using the no arg constructor and one using the other constructor. Display the result of both Date object's toString() methods.

**Example Output:**

```
date1: 2000-1-1

date2: 2018-2-1
```

# 2. Movie Class

**Name:** `Movie.java`

Create a Movie class with the following items:
Attributes:
- Title
- Running Time
- Release Year

Constructors:
- No argument constructor (set the attributes to default values)
- Constructor that allows the title, running time, and year to be specified

Operations:
- toString() to return a string representation of the Movie in the format "The Matrix (1999) (136 minutes)"

Add a main() method to the Movie class that creates two Movie objects, one using the no arg constructor and one using the other constructor. Display the result of both Movie object's toString() methods.

**Example Output:**

```
movie1: The Matrix (1999) (136 minutes)

movie2: Star Wars (1977) (121 minutes)
```

# 3.   Time Class

**Name:** `Time.java`

Create a Time class with the following items:
Attributes:
- Hour
- Minute
- Second

Constructors:
- No argument constructor (use the current time from System.currentTimeMillis() to set the default values)
- Constructor that allows the hour, minute, and second to be specified

Operations:
- toString() to return a string representation of the Time in the format hour:minute:second (e.g., 12:30:11)

Add a main() method to the Time class that creates two Time objects, one using the no arg constructor and one using the other constructor. Display the result of both Time object's toString() methods.

**Example Output:**

```
time1: 12:30:11

time2: 11:11:11
```