

Assignment 1 - LAB1

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Java Programming (SEC. 016)

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JavaLab1.java

```
package Assignment1;
// Course: COMP228(SEC.016) Java Programming
// Subject: Lab1 Assignment1
// Student: Jinsung Park(301241866)

public class JavaLab1 {
    public static void main(String[] args) {
        Singers singer1 = new Singers();
        // Set values using setters
        singer1.setId(1);
        singer1.setName("Taeyeon");
        singer1.setAddress("Junju, SouthKorea");
        singer1.setDateOfBirth("3 March 1989");
        singer1.setAlbumsPublished(13);
        // Display updated values
        System.out.println("\nUpdated Values:");
        singer1.display();
    }
}
```

Singers.java

```
package Assignment1;
// declare variable
class Singers {
    private int id; // store the singer's ID
    private String name; // store the singer's name
    private String address; // store the singer's address
    private String dateOfBirth; // store the singer's birthday
```

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private int albumsPublished; // store the number of albums
// initialize member variables
public Singers() {
    id = 0;
    name = null;
    address = null;
    dateOfBirth = null;
    albumsPublished = 0;
}
// Constructor with parameters
public Singers(int id, String name, String address, String
dateOfBirth, int albumsPublished) {
    this.id = id;
    this.name = name;
    this.address = address;
    this.dateOfBirth = dateOfBirth;
    this.albumsPublished = albumsPublished;
}
// Setter methods: Set values
public void setId(int id) {
    this.id = id;
}
public void setName(String name) {
    this.name = name;
}
public void setAddress(String address) {
    this.address = address;
}
public void setDateOfBirth(String dateOfBirth) {
    this.dateOfBirth = dateOfBirth;
}
public void setAlbumsPublished(int albumsPublished) {
    this.albumsPublished = albumsPublished;
}
// Getter methods: Get values
public int getId() {
    return id;
}
public String getName() {
```

```

        return name;
    }
    public String getAddress() {
        return address;
    }
    public String getDateOfBirth() {
        return dateOfBirth;
    }
    public int getAlbumsPublished() {
        return albumsPublished;
    }
    // Method to display information
    public void display() {
        System.out.println("Singer's ID: " + getId());
        System.out.println("Singer's Name: " + getName());
        System.out.println("Singer's Address: " + getAddress());
        System.out.println("Singer's Date of Birth: " +
getDateOfBirth());
        System.out.println("Number of Albums Published: " +
getAlbumsPublished());
    }
}

```

Result:

```

Updated Values:
Singer's ID: 1
Singer's Name: Taeyeon
Singer's Address: Junju, SouthKorea
Singer's Date of Birth: 3 March 1989
Number of Albums Published: 13

```