

과제 6 참고자료

Version 1

```
public class Simple_Phone {
    private String brand_name;
    private String model_name;
    private String phone_number;

    public String get_brand_name() {
        return brand_name;
    }

    public String get_model_name() {
        return model_name;
    }

    public String get_phone_number() {
        return phone_number;
    }

    public void set_brand_name(String name) {
        brand_name = name;
    }

    public void set_model_name(String name) {
        model_name = name;
    }

    public void set_phone_number (String number) {
        phone_number = number;
    }

    public void info() {
        System.out.println("$$$$$ Phone info $$$$$");
        System.out.println("Brand : " + brand_name);
        System.out.println("Model : " + model_name);
        System.out.println("Number : " + phone_number);
    }

    public void voice_call() {
        System.out.println("음성통화를합니다");
    }
}
```

```
public class TestDrive_Simple_Phone {
    public static void main(String [] args) {
        Simple_Phone my_phone = new Simple_Phone();

        my_phone.set_brand_name("Apple");
        my_phone.set_model_name("iPhone 3Gs");
        my_phone.set_phone_number("010-8551-1909");
        my_phone.info();

        my_phone.voice_call();
    }
}
```

Version 2

- MP3_playable.java -----

```
public interface MP3_playable {
    public void show_MP3_list();
    public void play_MP3_music();
}
```

- Game_playable.java -----

```
public interface Game_playable {
    public void play_game();
    public void show_game_list();
}
```

- Feature_Phone.java -----

```
public class Feature_Phone extends Simple_Phone
    implements MP3_playable, Game_playable {

    public void play_MP3_music() {
        System.out.println("MP3 음악을연주합니다");
    }

    public void show_MP3_list() {
        System.out.println("MP3 음악리스트를보여줍니다");
    }

    public void play_game() {
        System.out.println("Game을합니다");
    }

    public void show_game_list() {
        System.out.println("게임리스트를보여줍니다");
    }
}
```

- TestDrive_Functions.java -----

```
public class TestDrive_Functions{
    public static void main(String [] args) {
        Feature_Phone my_phone = new Feature_Phone();

        Simple_Phone simple_test_phone = my_phone;

        simple_test_phone.set_brand_name("Apple");
        simple_test_phone.set_model_name("iPhone 3Gs");
        simple_test_phone.set_phone_number("010-8551-1909");
        simple_test_phone.info();
        simple_test_phone.voice_call();

        MP3_playable my_mp3_player = my_phone;

        my_mp3_player.show_MP3_list();
        my_mp3_player.play_MP3_music();

        Game_playable my_game_player = my_phone;

        my_game_player.show_game_list();
        my_game_player.play_game();
    }
}
```