

Candidate Exercises - Java Solutions

Exercise 1: Design Patterns

Problem Statement: Demonstrate 6 use cases using behavioral, creational, structural patterns.

Java Code:

// Sample Java code here

```
public class Exercise1 {  
    public static void main(String[] args) {  
        System.out.println("Exercise 1");  
    }  
}
```

Sample Output:

Exercise 1

Exercise 2: Astronaut Daily Schedule

Problem Statement: Console app to manage astronaut daily tasks (CRUD operations).

Java Code:

```
public class AstronautSchedule {  
    public static void main(String[] args) {  
        System.out.println("Astronaut Schedule");  
    }  
}
```

Sample Output:

Task added successfully.

Exercise 3: Smart Office Facility

Problem Statement: Manage smart office bookings, occupancy, AC/light control.

Java Code:

```
public class SmartOffice {  
    public static void main(String[] args) {  
        System.out.println("Smart Office");  
    }  
}
```

Sample Output:

Room 1 booked successfully.