Lab1: Object, Class, JUnit (Worksheet)

Section\_\_\_\_\_33\_\_\_\_\_\_\_\_\_ Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_31/08/2017\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Student ID \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_5831015721\_\_\_\_\_\_\_\_\_\_\_\_\_

Name\_\_\_\_\_\_\_\_\_Nuchapol Rattanapan\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

# Part A: Problem Statement

1. What are the highest and lowest cards in the deck?

Highest : 2 (Spade)

Lowest : 3 (Club)

1. Assume a set of cards in your hand is {(2), (2), (4), (4), (4), (4),(A)}. Write all possible card piles that can be placed in the field in descending order.

4444

444

2 2

2

2

44

44

4

4

4

4

1. From the question, you always place the card pile which is the lowest one among all possible card piles that can be placed in the field. Assume a set of cards in your hand is {(2), (2), (4), (4), (4), (4),(A)}. Write a correct card pile in the following table. If you cannot place any card piles, write “null”.

|  |  |
| --- | --- |
| **The top card pile of the field** | **A card pile to be placed** |
| {(2), (2)} | (4)(4)(4)(4) |
| {(A)} | 22 |
| {(3), (3), (3)} | (4)(4)(4) |
| {(2)} | (4)(4)(4) |
| {(2),(2)} | (4)(4)(4)(4) |

# Part B: Implementation

1. Summarize the step to export your project into jar file.

1.Go to File then click Export

2.Click Java then click JAR file

3.Select project

4.Tick Export Java source files and resources below

5.Browse Export file in directory folder

6.Click Finish

1. Copy and paste the result of your program.

Alice plays [Heart 4]

Bill plays [Diamond 5]

Cain plays [Spade 5]

Doug plays [Spade 6]

Alice plays [Diamond 7]

Bill plays [Spade 7]

Cain plays [Club 7]

Doug plays [Heart 8]

Alice plays [Diamond 8]

Bill plays [Club 8]

Cain plays [Spade 8]

Doug plays [Heart 9]

Alice plays [Diamond 9]

Bill plays [Spade J]

Cain plays [Diamond J]

Doug plays [Heart J]

Alice plays [Club J]

Bill plays [Heart Q]

Cain plays [Diamond Q]

Doug plays [Club Q]

Alice plays [Spade A]

Bill passes

Cain plays [Heart A]

Doug plays [Club A]

Alice plays [Club 2]

Cain passes

Doug plays [Spade 2]

Alice plays [Heart 2]

Doug plays [Diamond 2]

Alice passes

Doug passes

All players decare "PASS"

Alice plays [Diamond 4]

Bill plays [Club 5]

Cain plays [Heart 6]

Doug plays [Club 10]

Alice plays [Diamond 10]

Bill plays [Spade Q]

Cain plays [Spade K]

Doug plays [Club K]

Alice passes

Bill plays [Diamond K]

Cain passes

Doug plays [Diamond A]

Bill passes

Doug passes

All players decare "PASS"

Alice plays [Heart 5]

Bill plays [Club 6]

Cain plays [Spade 9]

Doug passes

Alice plays [Club 9]

Bill plays [Heart K]

Cain passes

Alice passes

Bill passes

All players decare "PASS"

Alice plays [Spade 10]

Bill passes

Cain plays [Heart 10]

Doug passes

Alice passes with empty hand

Cain passes

All players decare "PASS"

Alice passes with empty hand

Bill plays [Diamond 3]

Cain plays [Spade 3]

Doug plays [Heart 3]

Bill plays [Diamond 6]

Cain passes

Doug passes

Bill plays [Heart 7]

Bill passes with empty hand

All players decare "PASS"

Alice passes with empty hand

Bill passes with empty hand

Cain plays [Club 4]

Doug passes

Cain plays [Spade 4]

Cain passes with empty hand

All players decare "PASS"

Alice passes with empty hand

Bill passes with empty hand

Cain passes with empty hand

Doug plays [Club 3]

Doug is a SLAVE

1. Capture the screen of JUnit Test Cases.

