

PART 1

```
---- Opened the serial port COM17 ----
```

```
Random seed: 100
```

```
Problem 1.1 Test Results:
```

```
1
2
3
4
5
6
7
8
9
10
```

```
Problem 1.2 Test Results:
```

```
1
2
3
4
5
6
7
8
9
10
55 385
```

```
Problem 1.3 Test Results:
```

```
sum: 55
```

```
sum of squares: 385
```

```
Problem 1.4 Test Results:
```

```
sum: 55
```

```
sum of squares: 385
```

```
Problem 2.1 Test Results:
```

```
[ 7  2 ] [ 5  1 ] [ 6  3 ] [ 2  1 ] [ 3  2 ] [ 2  3 ] [ 9  2 ]
[ 7  3 ] [ 5  2 ] [ 3  1 ] [ 6  4 ] [ 1  1 ] [ 13  1 ] [ 11  2 ]
[ 12  1 ] [ 8  1 ] [ 9  4 ] [ 13  2 ] [ 4  4 ] [ 12  3 ] [ 11  1 ]
[ 5  3 ] [ 1  3 ] [ 10  1 ] [ 8  2 ] [ 1  2 ] [ 9  1 ] [ 11  4 ]
[ 7  4 ] [ 3  3 ] [ 2  4 ] [ 10  2 ] [ 10  4 ] [ 3  4 ] [ 7  1 ]
[ 4  3 ] [ 2  2 ] [ 1  4 ] [ 12  4 ] [ 4  1 ] [ 5  4 ] [ 6  1 ]
[ 8  4 ] [ 4  2 ] [ 13  3 ] [ 8  3 ] [ 11  3 ] [ 10  3 ] [ 13  4 ]
[ 6  2 ] [ 9  3 ] [ 12  2 ]
```

PART 2

Problem 2.2 Test Results:

2.2.a

check 1 card error: 1

check 1 card error: 4

2.2.b

0xFF is not a valid card

8-bit version of Ace of Spades is a VALID card.

2.2.c,d

card: 1 suit: 1

card: 1 suit: 2

card: 1 suit: 3

card: 1 suit: 4

card: 11 suit: 2

card: 12 suit: 2

card: 13 suit: 4

Part 3.1 Test Results:

>>>> 0 : 1 1 Ace of Hearts

>>>> 1 : 1 2 Ace of Diamonds

>>>> 2 : 1 3 Ace of Clubs

>>>> 3 : 1 4 Ace of Spades

>>>> 4 : 11 2 Jack of Diamonds

>>>> 5 : 12 2 Queen of Diamonds

>>>> 6 : 13 4 King of Spades

PART 3

```
Part 3.2 Test Results:  
Test the deal() function
```

```
----testing deal: hand: 0  
Deck count: 0  
-----dealt hand:  
7 of Diamonds  
5 of Hearts  
6 of Clubs  
2 of Hearts  
3 of Diamonds  
2 of Clubs  
9 of Diamonds
```

```
----testing deal: hand: 1  
Deck count: 7  
-----dealt hand:  
7 of Clubs  
5 of Diamonds  
3 of Hearts  
6 of Spades  
Ace of Hearts  
King of Hearts  
Jack of Diamonds
```

```
----testing deal: hand: 2  
Deck count: 14  
-----dealt hand:  
Queen of Hearts  
8 of Hearts  
9 of Spades  
King of Diamonds  
4 of Spades  
Queen of Clubs  
Jack of Hearts
```

Part 3.3 Test Results:
Test the finding pokerhands function(s).

I have 7 new hands

I found 1 pairs in hand 0
I found 0 three-of-a-kinds in hand 0
I found 0 four-of-a-kinds in hand 0
Hand 0 the hand:
7 of Diamonds
5 of Hearts
6 of Clubs
2 of Hearts
3 of Diamonds
2 of Clubs
9 of Diamonds

I found 0 pairs in hand 1
I found 0 three-of-a-kinds in hand 1
I found 0 four-of-a-kinds in hand 1
Hand 1 the hand:
7 of Clubs
5 of Diamonds
3 of Hearts
6 of Spades
Ace of Hearts
King of Hearts
Jack of Diamonds

I found 1 pairs in hand 2
I found 0 three-of-a-kinds in hand 2
I found 0 four-of-a-kinds in hand 2
Hand 2 the hand:
Queen of Hearts
8 of Hearts
9 of Spades
King of Diamonds
4 of Spades
Queen of Clubs
Jack of Hearts

I found 1 pairs in hand 3
I found 0 three-of-a-kinds in hand 3
I found 0 four-of-a-kinds in hand 3
Hand 3 the hand:
5 of Clubs
Ace of Clubs
10 of Hearts
8 of Diamonds

I found 3 pairs in hand 4
I found 0 three-of-a-kinds in hand 4
I found 0 four-of-a-kinds in hand 4
Hand 4 the hand:
7 of Spades
3 of Clubs
2 of Spades
10 of Diamonds
10 of Spades
3 of Spades
7 of Hearts

I found 1 pairs in hand 5
I found 0 three-of-a-kinds in hand 5
I found 0 four-of-a-kinds in hand 5
Hand 5 the hand:
4 of Clubs
2 of Diamonds
Ace of Spades
Queen of Spades
4 of Hearts
5 of Spades
6 of Hearts

I found 2 pairs in hand 6
I found 0 three-of-a-kinds in hand 6
I found 0 four-of-a-kinds in hand 6
Hand 6 the hand:
8 of Spades
4 of Diamonds
King of Clubs
8 of Clubs
Jack of Clubs
10 of Clubs
King of Spades