

2015 Exam FRQ

FRQ 1

a. public static int [] rowSums (int [][] arr 2D) {

```
    int sum = 0;
    for (int i = 0; i < arr.length; i++) {
        sum += arr[i].sum();
    }
    return sum;
}
```

b. public static int [] rowSums (int [][] arr 2D) {
 int [] sums = new int [arr.length];
 int rowNum = 0;
 for (int [] row : arr) {
 sums [rowNum] = row.sum();
 rowNum++;
 }
 return sums;
}

c. public static boolean isDiagonal (int [][] arr 2D) {
 int [] sums = rowSums (arr 2D);
}

FRQ 2

```
public class Hidden Word {
    public Hidden Word (String hiddenWord) {
        word = hiddenWord; // 1-arg constructor
    }
    private String word; // w/ setter
```

```
    public String getHwd (String guess) { // getter
        if (guess.equals(word)) {
            String hint = "";
            return hint;
        }
    }
}
```

PRQ 3

```
a. public int getValueAt (int row, int col) {  
    for (SparseArrayEntry e = entries) {  
        // getter for Row    if (e.getRow() == row & e.getCol() == col) {  
        // and column        return e.getValue();  
        // return value for }  
        // its value }  
    }  
}
```

```
b. public void removeColumn (int col) {
```

PRQ 4

```
a. public interface NumberGroup {  
    boolean contains (int num);  
    System.out.println (contains);  
}
```

```
b. public class Rose implements NumberGroup {
```

```
c. public boolean contains (int num) {  
    if (group.contains (num)) {  
        return true;  
    } else {  
        return false;  
    }  
}
```