# 軟體測試 HW3 報告

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#### HWA:

### Junit 測試程式碼:

```
. . .
    @DisplayName("ReadTwoBases")
@org.junit.jupiter.api.Test
void readStatusTwoBases() {
  int[] B12 = {1,1,0};
  int[] B13 = {1,0,1};
  int[] B23 = {0,1,1};
  assertAll(
                     ()->assertArrayEquals(B12,Main.ReadStatus("B1, B2")),
()->assertArrayEquals(B13,Main.ReadStatus("B1, B3")),
()->assertArrayEquals(B23,Main.ReadStatus("B2, B3"))
     @DisplayName("ReadThreeBases")
@org.junit.jupiter.api.Test
void readStatusThreeBases() {
  int[] B123 = {1,1,1};
  assertArrayEquals(B123,Main.ReadStatus("B1, B2, B3"));
};
}
@DisplayName("TellThreeForcedBases")
@org.juntt.juptter.api.Test
void forceoutThreeBases() {
   String[] B123 = {"B1","B2","B3","HB"};
   assertArrayEquals(B123,Main.Forceout(new int[] {1,1,1}));
}
```

### Coverage:

✓	100% (1/1)	66% (2/3)	75% (24/32)	87% (28/32)
<b>③</b> Main	100% (1/1)	66% (2/3)	75% (24/32)	87% (28/32)

#### Jacoco:

<ul><li>ReadStatus(String)</li></ul>	100%	100%	0	6	0	12	0	1
Forceout(int[])	100%	100%	0	10	0	12	0	1

### HWB:

### Junit 測試程式碼:

```
package org.example;
import org.junit.jupiter.api.DisplayName;
import java.util.ArrayList;
import static org.junit.jupiter.api.Assertions.*;
class MainTest {

@DisplayName("排序")
@org.junit.jupiter.api.Test
void sortArray() {
    int i;

    String[] array = {"Four", "Three", "Two", "One", "Six", "Eight"};
    int[] winrate = {4,3,2,1,6,8};
    String[] exceptarray = {"Eight", "Six", "Four", "Three", "Two",
"One"}; int[] expectwinrate = {8,6,4,3,2,1};
    ArrayList
ArrayList
ArrayList
eam = new ArrayList
();

for(i=0;i<6;i++) {
    team.add(i,new team(array[i], winrate[i]);
    expect.add(i,new team(exceptarray[i], expectwinrate[i]);
    }

Main.sortArray(team);
for(i=0;i<6;i++) {
    assertEquals(expect.get(i).name, team.get(i).name);
    assertEquals(expect.get(i).winrate, team.get(i).winrate);
    System.out.println("AL test "+i+" passed");
}
}
</pre>
```

## Coverage:

<b>©</b> Main	100% (	25% (1/4)	10% (4/40)	42% (6/14)
© team	100% (	100% (1/1)	100% (3/3)	100% (0/0)

#### Jacoco: