

Gebze Technical University
Computer Engineering

CSE 222
2017 Spring

HOMEWORK 04 REPORT

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1. System Requirements

2. Use Case Diagrams

3. Class Diagrams

4. Other Diagrams

5. Problem Solutions Approach

6. Test Cases

Test işlemi kendim nesneler oluşturarak;

Mainde optimal 3 part yapıp test ettim.

Mainde Test edilenlerin sonuçları ekrana basıldı.

Sonuçlar aynı zamanda test1.csv, test2.csv ve test3.csv ye basıldı.

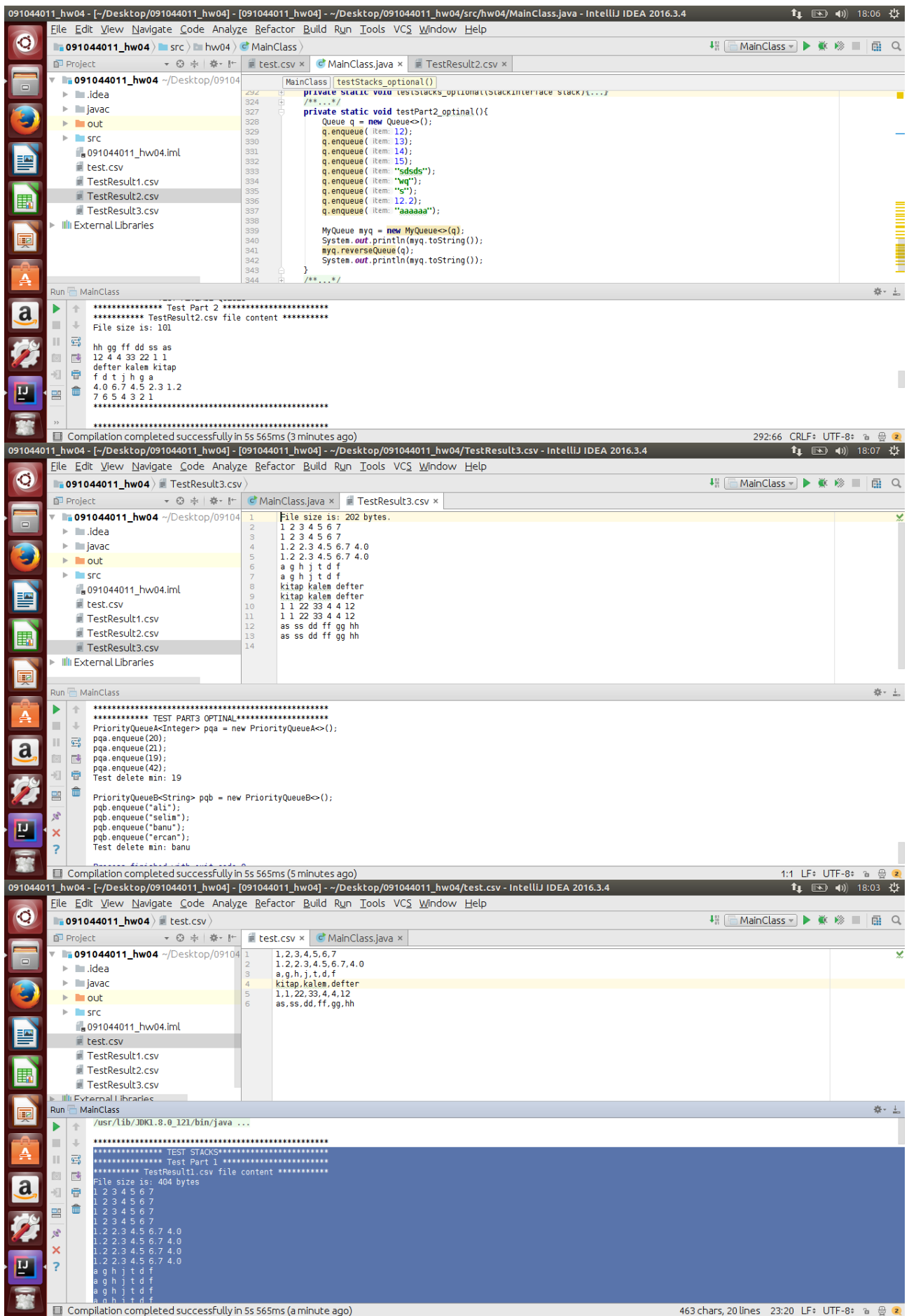
The screenshot shows the IntelliJ IDEA 2016.3.4 interface. The top panel displays the 'TestResult1.csv' file with the following content:

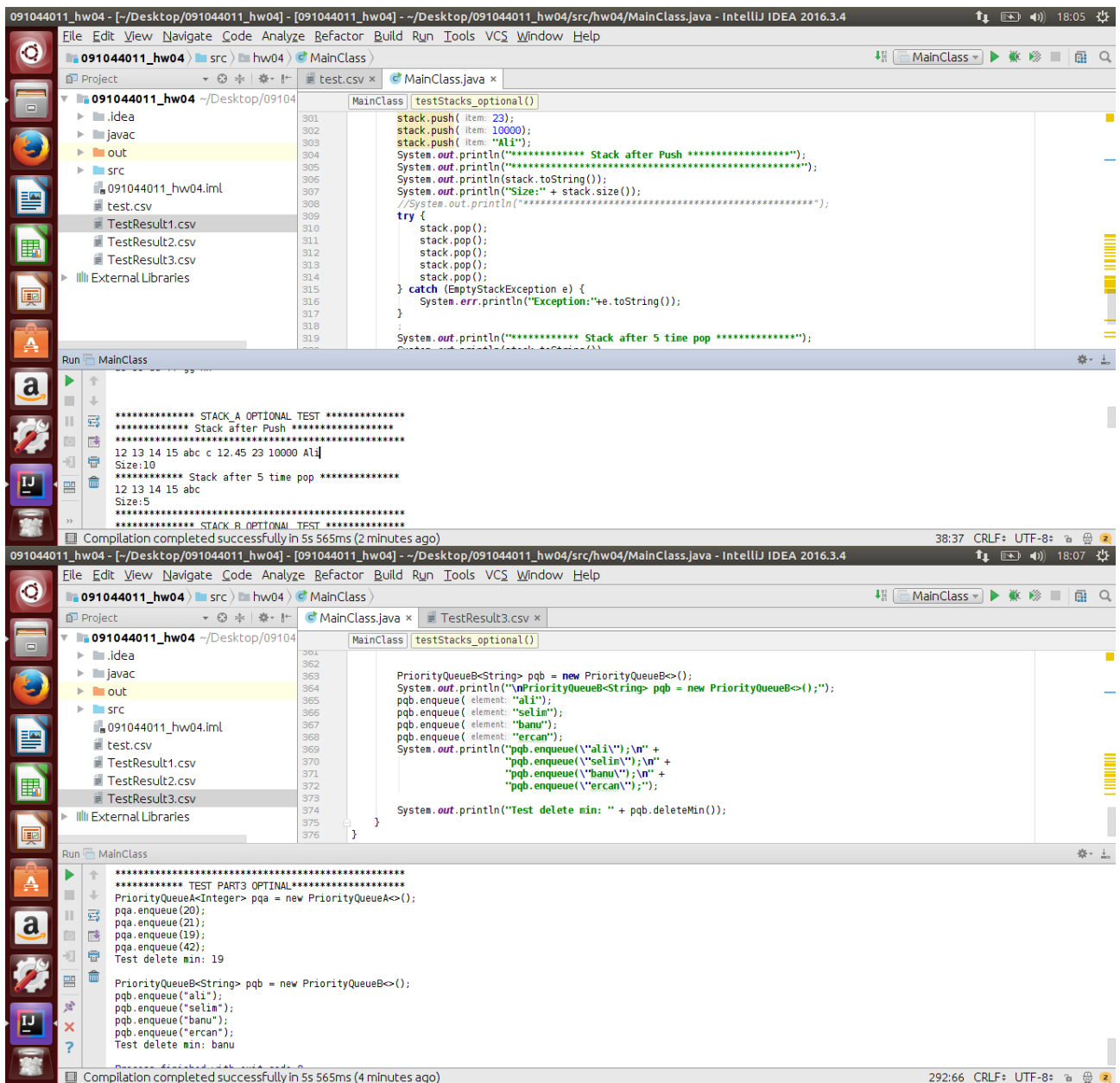
```
1 File size is: 404 bytes
2 1 2 3 4 5 6 7
3 1 2 3 4 5 6 7
4 1 2 3 4 5 6 7
5 1 2 3 4 5 6 7
6 1 2 2 3 4 5 6 7 4 0
7 1 2 2 3 4 5 6 7 4 0
8 1 2 2 3 4 5 6 7 4 0
9 1 2 2 3 4 5 6 7 4 0
10 a g h j t d f
11 a g h j t d f
12 a g h j t d f
13 a g h j t d f
14 kitap kalem defter
15 kitap kalem defter
16 kitap kalem defter
17 kitap kalem defter
18 1 1 22 33 4 4 12
19 1 1 22 33 4 4 12
20 1 1 22 33 4 4 12
21 1 1 22 33 4 4 12
22 as ss dd ff gg hh
23 as ss dd ff gg hh
24 as ss dd ff gg hh
25 as ss dd ff gg hh
26
```

The bottom panel shows the Run console output for 'MainClass'.

```
1 1 2 2 3 4 5 6 7 4 0
2 1 2 2 3 4 5 6 7 4 0
3 1 2 2 3 4 5 6 7 4 0
4 a g h j t d f
5 a g h j t d f
6
```

The console also shows the compilation status: 'Compilation completed successfully in 5s 565ms (a minute ago)'.





7. Running and Results

```

*****
***** TEST STACKS *****
***** Test Part 1 *****
***** TestResult1.csv file content *****

```

File size is: 404 bytes

```

1 2 3 4 5 6 7
1 2 3 4 5 6 7
1 2 3 4 5 6 7
1 2 3 4 5 6 7
1.2 2.3 4.5 6.7 4.0
1.2 2.3 4.5 6.7 4.0
1.2 2.3 4.5 6.7 4.0
1.2 2.3 4.5 6.7 4.0

```

a g h j t d f
a g h j t d f
a g h j t d f
a g h j t d f
kitap kalem defter
kitap kalem defter
kitap kalem defter
kitap kalem defter
1 1 22 33 4 4 12
1 1 22 33 4 4 12
1 1 22 33 4 4 12
1 1 22 33 4 4 12
as ss dd ff gg hh
as ss dd ff gg hh
as ss dd ff gg hh
as ss dd ff gg hh

***** STACK_A OPTIONAL TEST *****
***** Stack after Push *****

12 13 14 15 abc c 12.45 23 10000 Ali
Size:10
***** Stack after 5 time pop *****

12 13 14 15 abc
Size:5

***** STACK_B OPTIONAL TEST *****
***** Stack after Push *****

12 13 14 15 abc c 12.45 23 10000 Ali
Size:10
***** Stack after 5 time pop *****

12 13 14 15 abc
Size:5

***** STACK_C OPTIONAL TEST *****
***** Stack after Push *****

12 13 14 15 abc c 12.45 23 10000 Ali
Size:10
***** Stack after 5 time pop *****

c 12.45 23 10000 Ali
Size:5

***** STACK_D OPTIONAL TEST *****
***** Stack after Push *****

12 13 14 15 abc c 12.45 23 10000 Ali
Size:10
***** Stack after 5 time pop *****

c 12.45 23 10000 Ali

Size:5

***** TEST REVERSE QUEUES*****

***** Test Part 2 *****

***** TestResult2.csv file content *****

File size is: 101

hh gg ff dd ss as

12 4 4 33 22 1 1

defter kalem kitap

f d t j h g a

4.0 6.7 4.5 2.3 1.2

7 6 5 4 3 2 1

***** TEST PART2 OPTINAL *****

12 13 14 15 sdsds wq s 12.2 aaaaaa

Reversed!

aaaaaa 12.2 s wq sdsds 15 14 13 12

***** TEST PRIORITY QUEUES*****

***** Test Part 3 *****

***** TestResult3.csv file content *****

File size is: 202 bytes.

1 2 3 4 5 6 7

1 2 3 4 5 6 7

1.2 2.3 4.5 6.7 4.0

1.2 2.3 4.5 6.7 4.0

a g h j t d f

a g h j t d f

kitap kalem defter

kitap kalem defter

1 1 22 33 4 4 12

1 1 22 33 4 4 12

as ss dd ff gg hh

as ss dd ff gg hh

***** TEST PART3 OPTINAL *****

PriorityQueueA<Integer> pqa = new PriorityQueueA<>();

pqa.enqueue(20);

pqa.enqueue(21);

pqa.enqueue(19);

pqa.enqueue(42);

Test delete min: 19

```
PriorityQueueB<String> pqb = new PriorityQueueB<>();  
pqb.enqueue("ali");  
pqb.enqueue("selim");  
pqb.enqueue("banu");  
pqb.enqueue("ercan");  
Test delete min: banu
```

8) Github Link

Hw04 link: https://github.com/erccanuca/cse222_hw04_2017.git