















PART 1

Andrick Mercado

File Input	Output
 *Test1.txt - Notepad File Edit Format View Help { } [] () { [(}]) [{ () }] hoass{ } 11 () iid [] old ([mis { cojo 33	 BlueJ: Terminal Window - PA1 Options Parentheses () balanced: false Brackets [] balanced: false Braces { } balanced: false
 Test2.txt - Notepad File Edit Format View Help public void clear() { // clear to let GC do its work for (int i = 0; i < size; i++) elementData[i] = null; size = 0; }	 BlueJ: Terminal Window - PA1 Options Parentheses () balanced: true Brackets [] balanced: true Braces { } balanced: true
 Test3.txt - Notepad File Edit Format View Help { } { } attemp twp () { } [] ([{ }])	 BlueJ: Terminal Window - PA1 Options Parentheses () balanced: true Brackets [] balanced: true Braces { } balanced: true

 Test4.txt - Notepad File Edit Format View Help ([{}])	 BlueJ: Terminal Window - PA1 Options Parentheses () balanced: true Brackets [] balanced: true Braces {} balanced: false
 *Test5.txt - Notepad File Edit Format View Help hellow wordl this is eartha ??? adasa	 BlueJ: Terminal Window - PA1 Options Parentheses () balanced: false Brackets [] balanced: false Braces {} balanced: false
 Test6.txt - Notepad File Edit Format View Help [{{(attemopo)}})	 BlueJ: Terminal Window - PA1 Options Parentheses () balanced: true Brackets [] balanced: true Braces {} balanced: true

PART 2

File Input	User Input/Output (BLUE User Input)
 *Records.txt - Notepad File Edit Format View Help Marina Sidonia, 855496701 Anand Jenifer, 895693212 Italia Bedivere, 837536332 Tate Andor, 805792605 Alise Hosanna, 823679752 Innokentiy Judicaël, 887408686 Shadi Zente, 847185856 Sanyi Albertina, 856880555 Toma Livie, 802144786 Tecla Aesculapius, 890200844 	 BlueJ: Terminal Window - PA1 Options Enter the number of open seats in this Class 10 User Menu 1. Insert Student 2. Delete by Student ID 3. Display All Students 4. Exit 2 Input Student ID to Delete: 890200844 Waiting list is empty User Menu 1. Insert Student 2. Delete by Student ID 3. Display All Students 4. Exit 3 PEOPLE IN CLASS: Student RedID: 855496701; Name: Marina Sidonia Student RedID: 895693212; Name: Anand Jenifer Student RedID: 837536332; Name: Italia Bedivere Student RedID: 805792605; Name: Tate Andor Student RedID: 823679752; Name: Alise Hosanna Student RedID: 887408686; Name: Innokentiy Judicaël Student RedID: 847185856; Name: Shadi Zente Student RedID: 856880555; Name: Sanyi Albertina Student RedID: 802144786; Name: Toma Livie Student RedID: 890200844; Name: Tecla Aesculapius PEOPLE IN WAITING LIST: Empty Queue User Menu 1. Insert Student 2. Delete by Student ID 3. Display All Students 4. Exit 4



*Records.txt - Notepad

File Edit Format View Help

Marina Sidonia, 855496701
Anand Jenifer, 895693212
Italia Bedivere, 837536332
Tate Andor, 805792605
Alise Hosanna, 823679752
Innokentiy Judicaël, 887408686
Shadi Zente, 847185856
Sanyi Albertina, 856880555
Toma Livie, 802144786
Tecla Aesculapius, 890200844



BlueJ: Terminal Window - PA1

Options

Enter the number of open seats in this Class

10

User Menu

1. Insert Student
2. Delete by Student ID
3. Display All Students
4. Exit

3

PEOPLE IN CLASS:

Student RedID: 855496701; Name: Marina Sidonia
Student RedID: 895693212; Name: Anand Jenifer
Student RedID: 837536332; Name: Italia Bedivere
Student RedID: 805792605; Name: Tate Andor
Student RedID: 823679752; Name: Alise Hosanna
Student RedID: 887408686; Name: Innokentiy Judicaël
Student RedID: 847185856; Name: Shadi Zente
Student RedID: 856880555; Name: Sanyi Albertina
Student RedID: 802144786; Name: Toma Livie
Student RedID: 890200844; Name: Tecla Aesculapius

PEOPLE IN WAITING LIST:

Empty Queue

User Menu

1. Insert Student
2. Delete by Student ID
3. Display All Students
4. Exit

2

Input Student ID to Delete:

856880555

Waiting list is empty

User Menu

1. Insert Student
2. Delete by Student ID
3. Display All Students
4. Exit

4



*Records.txt - Notepad

File Edit Format View Help

Marina Sidonia, 855496701
Anand Jenifer, 895693212
Italia Bedivere, 837536332
Tate Andor, 805792605
Alise Hosanna, 823679752
Innokentiy Judicaël, 887408686
Shadi Zente, 847185856
Sanyi Albertina, 856880555
Toma Livie, 802144786
Tecla Aesculapius, 890200844

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BlueJ: Terminal Window - PA1

Options

Enter the number of open seats in this Class

5

User Menu

1. Insert Student
2. Delete by Student ID
3. Display All Students
4. Exit

2

Input Student ID to Delete:

837536332

User Menu

1. Insert Student
2. Delete by Student ID
3. Display All Students
4. Exit

2

Input Student ID to Delete:

895693212

User Menu

1. Insert Student
2. Delete by Student ID
3. Display All Students
4. Exit

3

PEOPLE IN CLASS:

Student RedID: 855496701; Name: Marina Sidonia
Student RedID: 847185856; Name: Shadi Zente
Student RedID: 887408686; Name: Innokentiy Judicaël
Student RedID: 805792605; Name: Tate Andor
Student RedID: 823679752; Name: Alise Hosanna

PEOPLE IN WAITING LIST:

Student RedID: 856880555; Name: Sanyi Albertina
Student RedID: 802144786; Name: Toma Livie
Student RedID: 890200844; Name: Tecla Aesculapius



*Records.txt - Notepad

File Edit Format View Help

Marina Sidonia, 855496701
Anand Jenifer, 895693212
Italia Bedivere, 837536332
Tate Andor, 805792605
Alise Hosanna, 823679752
Innokentiy Judicaël, 887408686
Shadi Zente, 847185856
Sanyi Albertina, 856880555
Toma Livie, 802144786
Tecla Aesculapius, 890200844

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BlueJ: Terminal Window - PA1

Options

Enter the number of open seats in this Class

0

User Menu

1. Insert Student
2. Delete by Student ID
3. Display All Students
4. Exit

3

PEOPLE IN CLASS:

PEOPLE IN WAITING LIST:

Student RedID: 855496701; Name: Marina Sidonia
Student RedID: 895693212; Name: Anand Jenifer
Student RedID: 837536332; Name: Italia Bedivere
Student RedID: 805792605; Name: Tate Andor
Student RedID: 823679752; Name: Alise Hosanna
Student RedID: 887408686; Name: Innokentiy Judicaël
Student RedID: 847185856; Name: Shadi Zente
Student RedID: 856880555; Name: Sanyi Albertina
Student RedID: 802144786; Name: Toma Livie
Student RedID: 890200844; Name: Tecla Aesculapius

PART 3

Console (BLUE is user input)

Enter the Time Quantum

5

0. Exit

1. Enter a process

2. Start execution

2

List is empty

0. Exit

1. Enter a process

2. Start execution

1

Enter Process Name

google

Enter Process Time

80

Enter Process Priority

3

0. Exit

1. Enter a process

2. Start execution

1

Enter Process Name

google

Enter Process Time

50

Enter Process Priority

3

0. Exit

1. Enter a process

2. Start execution

1

Enter Process Name

system

Enter Process Time

20

Enter Process Priority

1

0. Exit

1. Enter a process

2. Start execution

2

Cycle number: 1

Processes in singly linked list:

Process Name: system; Time: 15.0; Priority: 1

Process Name: google; Time: 75.0; Priority: 3

Process Name: google; Time: 45.0; Priority: 3

Cycle number: 2

Processes in singly linked list:

Process Name: system; Time: 10.0; Priority: 1

Process Name: google; Time: 70.0; Priority: 3

Process Name: google; Time: 40.0; Priority: 3

Cycle number: 3

Processes in singly linked list:

Process Name: system; Time: 5.0; Priority: 1

Process Name: google; Time: 65.0; Priority: 3

Process Name: google; Time: 35.0; Priority: 3

Cycle number: 4

Processes in singly linked list:

Process Name: google; Time: 60.0; Priority: 3

Process Name: google; Time: 30.0; Priority: 3

Cycle number: 5

Processes in singly linked list:

Process Name: google; Time: 55.0; Priority: 3

Process Name: google; Time: 25.0; Priority: 3

Cycle number: 6

Processes in singly linked list:

Process Name: google; Time: 50.0; Priority: 3

Process Name: google; Time: 20.0; Priority: 3

Cycle number: 7

Processes in singly linked list:

Process Name: google; Time: 45.0; Priority: 3

Process Name: google; Time: 15.0; Priority: 3

Cycle number: 8

Processes in singly linked list:

Process Name: google; Time: 40.0; Priority: 3

Process Name: google; Time: 10.0; Priority: 3

Cycle number: 9

Processes in singly linked list:

Process Name: google; Time: 35.0; Priority: 3

Process Name: google; Time: 5.0; Priority: 3

Cycle number: 10

Processes in singly linked list:

Process Name: google; Time: 30.0; Priority: 3

Cycle number: 11

Processes in singly linked list:

Process Name: google; Time: 25.0; Priority: 3

Cycle number: 12

Processes in singly linked list:

Process Name: google; Time: 20.0; Priority: 3

Cycle number: 13

Processes in singly linked list:

Process Name: google; Time: 15.0; Priority: 3

Cycle number: 14

Processes in singly linked list:

Process Name: google; Time: 10.0; Priority: 3

Cycle number: 15

Processes in singly linked list:

Process Name: google; Time: 5.0; Priority: 3

Cycle number: 16

List is empty

0. Exit

1. Enter a process

2. Start execution

2

List is empty

0. Exit

1. Enter a process

2. Start execution

1

Enter Process Name

spotify

Enter Process Time

17

Enter Process Priority

8

0. Exit

1. Enter a process

2. Start execution

2

Cycle number: 1

Processes in singly linked list:

Process Name: spotify; Time: 12.0; Priority: 8

Cycle number: 2

Processes in singly linked list:

Process Name: spotify; Time: 7.0; Priority: 8

Cycle number: 3

Processes in singly linked list:

Process Name: spotify; Time: 2.0; Priority: 8

Cycle number: 4

List is empty

0. Exit

1. Enter a process

2. Start execution

google