PART 1

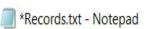
Andrick Mercado

| Output |
|--|
| BlueJ: Terminal Window - PA1 |
| Options |
| Parentheses () balanced: false Brackets [] balanced: false Braces {} balanced: false |
| BlueJ: Terminal Window - PA1 |
| Options |
| Parentheses () balanced: true Brackets [] balanced: true Braces {} balanced: true |
| |
| BlueJ: Terminal Window - PA1 |
| Options |
| Parentheses () balanced: true Brackets [] balanced: true Braces {} balanced: true |
| |

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

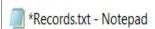
PART 2

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



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
Enter the number of open seats in this Class
User Menu
1. Insert Student
2. Delete by Student ID
3. Display All Students
4. Exit
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: Sanvi 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
Input Student ID to Delete:
Waiting list is empty
User Menu
1. Insert Student
2. Delete by Student ID
3. Display All Students
4. Exit
```



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
Enter the number of open seats in this Class
User Menu
1. Insert Student
2. Delete by Student ID
3. Display All Students
4. Exit
Input Student ID to Delete:
837536332
User Menu
1. Insert Student
2. Delete by Student ID
3. Display All Students
4. Exit
Input Student ID to Delete:
895693212
User Menu
1. Insert Student
2. Delete by Student ID
3. Display All Students
4. Exit
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
```

*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
```

PEOPLE IN WAITING LIST:

```
Enter the number of open seats in this Class
User Menu
1. Insert Student
2. Delete by Student ID
3. Display All Students
4. Exit
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
```

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
0. Exit
1. Enter a process
2. Start execution
List is empty
0. Exit
1. Enter a process
2. Start execution
Enter Process Name
google
Enter Process Time
Enter Process Priority
O. Exit
1. Enter a process
2. Start execution
Enter Process Name
google
Enter Process Time
Enter Process Priority
0. Exit
1. Enter a process
2. Start execution
Enter Process Name
system
Enter Process Time
Enter Process Priority
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