Student name: D. H. N. Kurukulasuriya
Student ID: w1953615   20221026
Tutorial group (day, time, and tutor) – info is in your timetable:
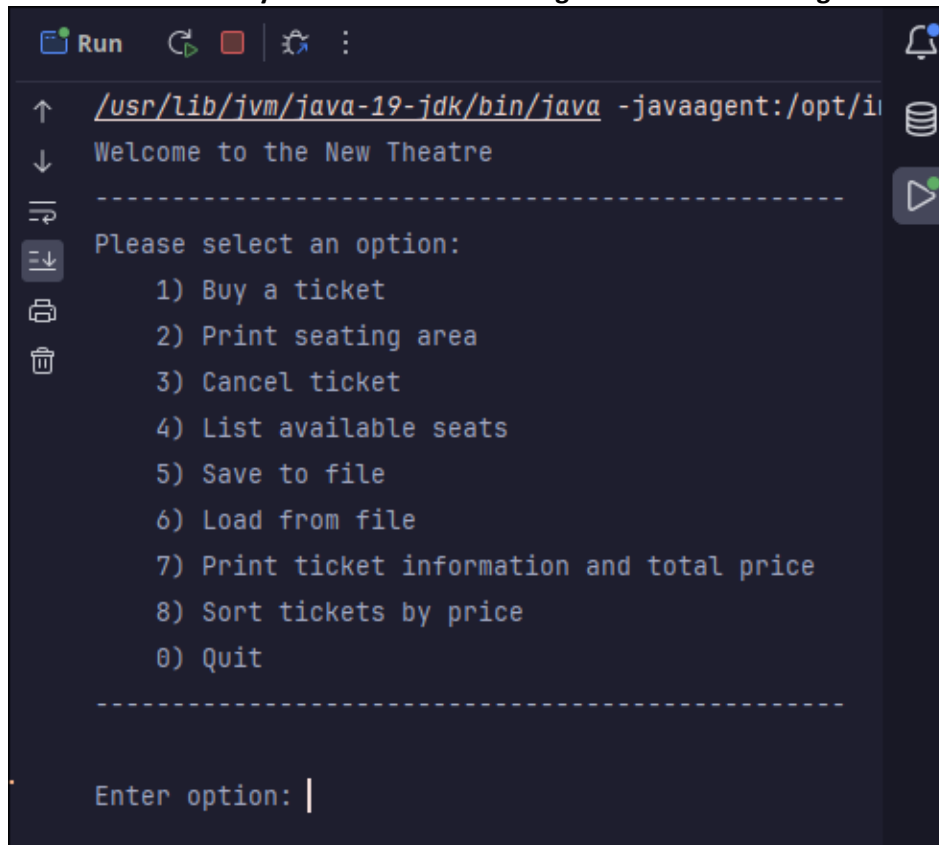Group LMonday, (3.30pm – 5.30pm)   Mr Ruwan Egodawatte

Fill the following table. For test input, expected output and output obtained, add as many cases as you have tested.

See an example of a completed form in Blackboard.

Task	Self-assessment (select one)	Test input	Expected output	Output obtained	Comments	
1	☒Fully implemented and working ☐Partially implemented ☐Not attempted	1:	1: Welcome to the New Theatre	1: Welcome to the New Theatre	Correct	
2	☒Fully implemented and working ☐Partially implemented ☐Not attempted	1 2: Option 0 selected	1: Menu with 9 options 2: Program ends	1: Menu with 9 options 2: Program ends	Menu working correctly. Program exits without error	

Insert screenshot of your menu here including the welcome message:

Task	Self-assessment (select one)	Test input	Expected output	Output obtained	Comments	
3	☒Fully implemented	1: Option 1 row = 4	1: Shows 'Invalid row	1: Shows 'Invalid row	Does not crash on	

				number. Please try again.'	number. Please try again.'	invalid input, asks again for the correct value.
	and working ☐Partially implemented ☐Not attempted	2: Option 1 row = 3, seat = 0

3: Option 1 row = num | | 2: Shows 'Invalid seat number. Please try again.'

3: Show 'Please input a number' | 2: Shows 'Invalid seat number. Please try again.'

3: Show 'Please input a number' | |
| 4 | ☒Fully implemented and working ☐Partially implemented ☐Not attempted | 1: Option 1 + row = 3, seat = 10 + option 2

2: (case 1) + Option 1 + row = 1, seat = 2 + option 1. | 1: Shows seating area with correct seat taken

2: Shows both seats as taken | 1: Shows seating area with correct seat taken

2: Shows both seats as taken | Correct |

Insert screenshot of your output for task 4 here after buying a ticket for row 1, seat 1 and row 3, seat 20 :

```
    0) Quit
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Enter option: 2
    **********
    *  STAGE  *
    **********
    X00000 000000
  00000000 00000000
0000000000 000000000X


Press ENTER for the menu...



------------------------------------------------

Please select an option:
    1) Buy a ticket
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| 5 | ☒Fully implemented and working ☐Partially | 1: Option 1 + row = 3, seat = 10 + | 1: Shows seating area with correct seat available | 1: Shows seating area with correct seat available | Informs user when seat is already available. |

	implemented ☐Not attempted	option 2 + option 3 + row = 3, seat = 10 + option 2			
6	☒Fully implemented and working ☐Partially implemented ☐Not attempted	1: Option 1 + row = 2, seat 10 + option 4	1: Show available seats except row 2, seat 10	1: Show available seats except row 2, seat 10	Correct
7	☒Fully implemented and working ☐Partially implemented ☐Not attempted	1: Option 5	1: Show 'File saved.'	1: Show 'File saved.'	Correct
8	☒Fully implemented and working ☐Partially implemented ☐Not attempted	1: Option 6 + option 2 + option 4	1: Shows 'File loaded.' Option 2 & 4 show array information from file	1: Shows 'File loaded.' Option 2 & 4 show array information from file	Load array information correctly.
9	☒Fully implemented and working ☐Partially implemented ☐Not attempted	1: Option 1 + row = 3, seat = 3, name = Hashan, surname = Kurukulasuriya, email = hashan@gmail.com	1: Asks for person name, surname and email	1: Asks for person name, surname and email	Correct
10	☒Fully implemented and working ☐Partially implemented ☐Not attempted	1: Option 1 + row = 3, seat = 3, name = Hashan, surname = Kurukulasuriya, email = hashan@gmail.com price = 500 + option 7	1: Show input from option 1 in option 7	1: Show input from option 1 in option 7	Correct
11	☒Fully implemented and working ☐Partially implemented ☐Not attempted	1: Option 7	1: Show person name, surname and email. Show row sear and	1: Show person name, surname and email. Show row sear and	Prints without errors

			price.	price.	
12	☒Fully implemented and working ☐Partially implemented ☐Not attempted	1: Option 1 + row = 3, seat = 3, name = Hashan, surname = Kurukulasuriya, email = hashan@gmail.com price = 500 + option 7 Option 3 + row = 3, seat = 3 + option 7	1: Show in option 7 after ticket bought from option 1 Removes from option 7 after ticket cancelled from option 3	1: Show in option 7 after ticket bought from option 1 Removes from option 7 after ticket cancelled from option 3	Person details not validated. Price field does not crash program when input non numerical values
13	☒Fully implemented and working ☐Partially implemented ☐Not attempted	1: Option 8	1: Shows the tickets including person information. Show total price of all tickets	1: Shows the tickets including person information. Show total price of all tickets	Option 1 accepts negative numbers and zero for price. Negative numbers deducts from total price.
14	☒Fully implemented and working ☐Partially implemented ☐Not attempted	1: Option 9	1: Shows the tickets including person information sorted by price in ascending order	1: Shows the tickets including person information sorted by price in ascending order	Sorting works correctly
15	Explain which testing strategy did you take (e.g., how you tested that the output is correct, different inputs, different values, wrong values, etc.) Tested for index errors at start and end of arrays at input. Input values out of array length. Non numerical values in input that require integers.				
16	Did you include comments in your code? Is your code indented? Did you use your own functions? Are your variable names informative? Yes, I have included comments and indented code. Used my own functions to reduce duplicated code. Variable names are descriptive.				

Are there any parts of the coursework which you would like to get feedback?

DEMO: You will have to demonstrate your understanding of your code during a tutorial (week 10 or 11). Remember to reference any websites, or technologies that you used in this coursework. Tasks 9-15 will not be marked if you do not attend the demo.