Screenshot of the Significant Output

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Module: Programming Paradigms (COMP1029)

School: University of Nottingham Malaysia

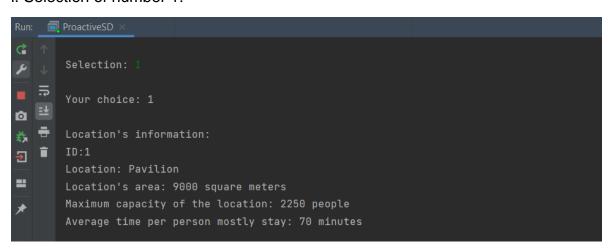
Lecturer: Dr. Mohammad Aazam

Screenshot of the significant output

1. Display of the menu when run the program



- 2. The output after inserted the selection
- i. Selection of number 1:



ii. Selection of number 2:

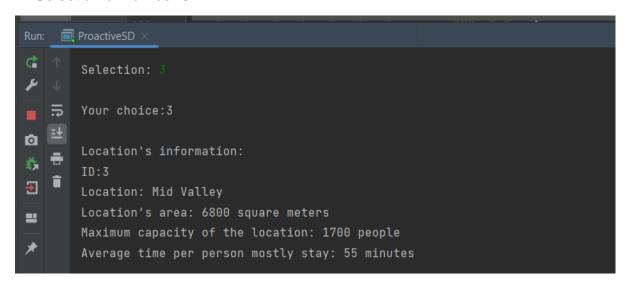
```
Run: ProactiveSD ×

Selection: 2

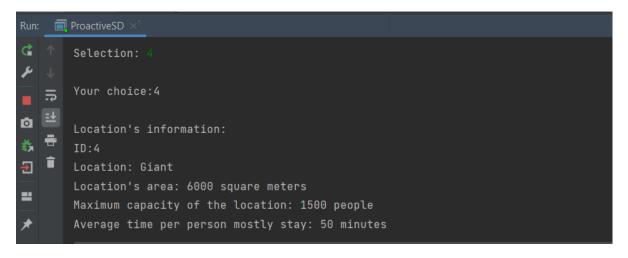
Your choice:2

Location's information:
ID:2
Location: Lotus
Location's area: 7650 square meters
Maximum capacity of the location: 1912 people
Average time per person mostly stay: 60 minutes
```

iii. Selection of number 3:



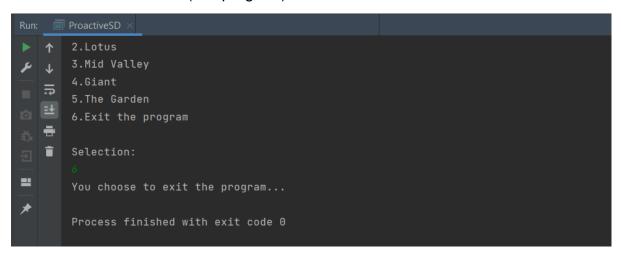
iv. Selection of number 4:



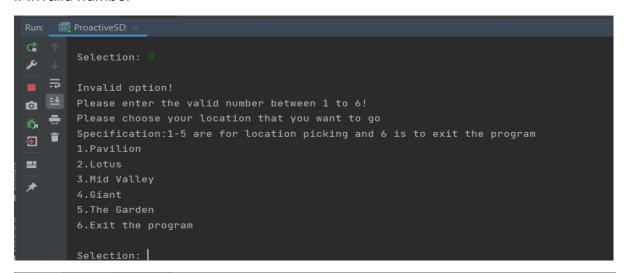
v. Selection of number 5

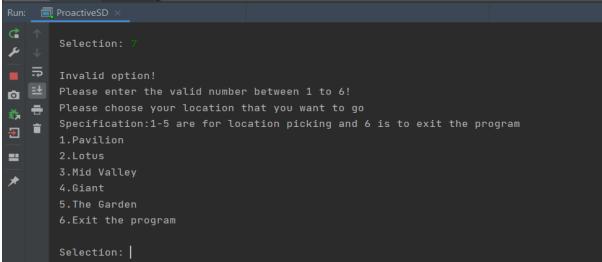


vi. Selection of number 6(exit program)



- 3. The output when user input the invalid number and string(error handling)
- i. Invalid number





ii. string or alphabet

```
Run: ProactiveSD ×

Selection: hello

Invalid option!
Please enter the valid number between 1 to 6!
Please choose your location that you want to go
Specification:1-5 are for location picking and 6 is to exit the program
1.Pavilion
2.Lotus
3.Mid Valley
4.Giant
5.The Garden
6.Exit the program

Selection:
```

```
Run: ProactiveSD ×

Selection:

Invalid option!
Please enter the valid number between 1 to 6!
Please choose your location that you want to go
Specification:1-5 are for location picking and 6 is to exit the program
1.Pavilion
2.Lotus
3.Mid Valley
4.Giant
5.The Garden
6.Exit the program

Selection:
```

iii. User insert the invalid input a few times

```
Rum

ProactiveSD ×

Selection:

Invalid option!
Please enter the valid number between 1 to 6!
Please choose your location that you want to go
Specification:1-5 are for location picking and 6 is to exit the program
1.Pavilion
2.Lotus
3.Mid Valley
4.Giant
5.The Garden
6.Exit the program

Selection:

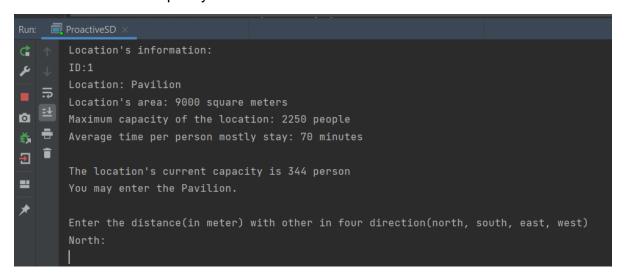
Invalid option!
Please enter the valid number between 1 to 6!
Please choose your location that you want to go
Specification:1-5 are for location picking and 6 is to exit the program
1.Pavilion
2.Lotus
3.Mid Valley
4.Giant
5.The Garden
6.Exit the program

Selection:

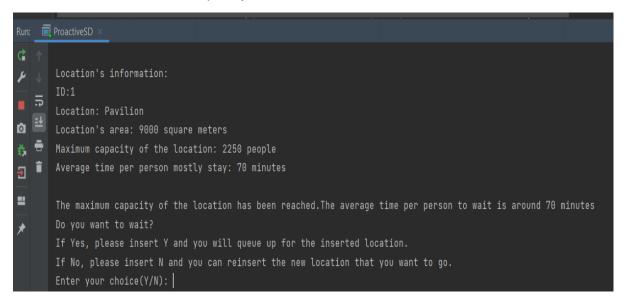
Selection:

Selection:
```

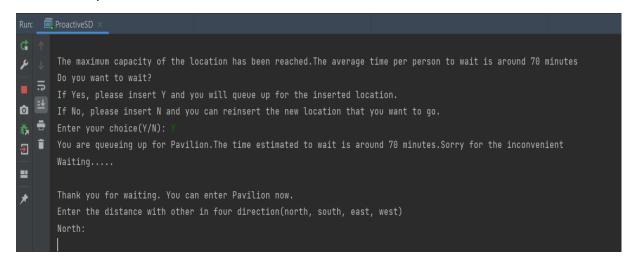
4. The output if the random generator of the visitor generated a number that less than the maximum capacity



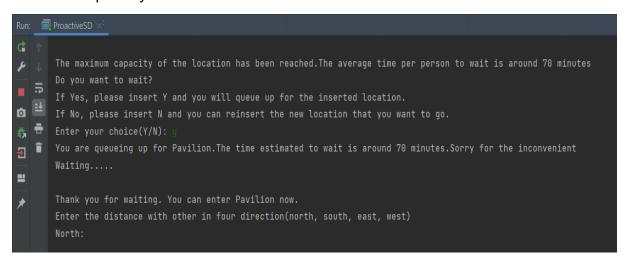
5. The output if the random generator of the visitor generated a number that equal or more than the maximum capacity



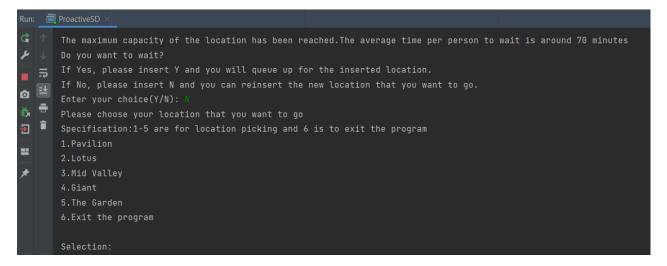
- 6. The output when user press the Y (Y or y is accepted)
- i. The user press Y



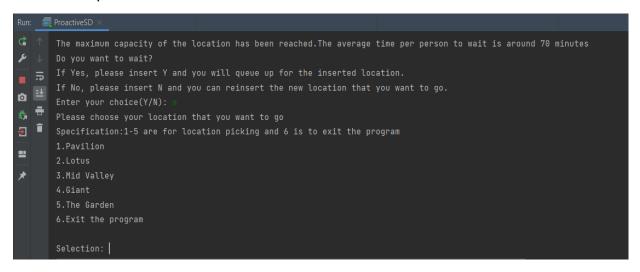
ii. The user press y



- 7. The output when user press the N (N or n is accepted)
- i. The user press N



ii. The user press n



8. Output when user insert the invalid input in the Y/N option(error handling)

```
Location's information:

ID:1

Location: Pavilion

Location's area: 9000 square meters

Maximum capacity of the location: 2250 people

Average time per person mostly stay: 70 minutes.

The maximum capacity of the location has been reached. The average time per person to wait is around 70 minutes

Do you want to wait?

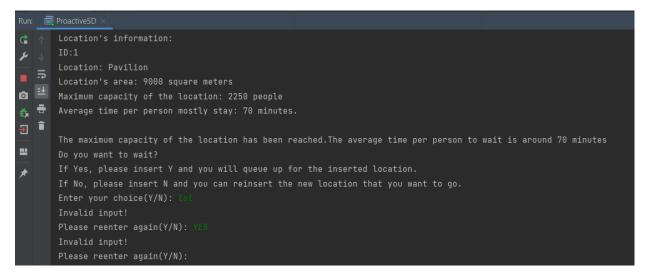
If Yes, please insert Y and you will queue up for the inserted location.

If No, please insert N and you can reinsert the new location that you want to go.

Enter your choice(Y/N): lol

Invalid input!

Please reenter again(Y/N):
```



9. Output when the user inserted the distance in four direction that more than or equal 2 meter (float number is allowed)

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Run: ProactiveSD ×

Enter the distance(in meter) with other in four direction(north, south, east, west)

North:

South:

West:

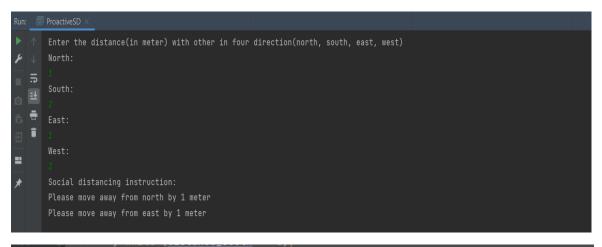
Appreciate your effort in practicing social distancing! Good Job!

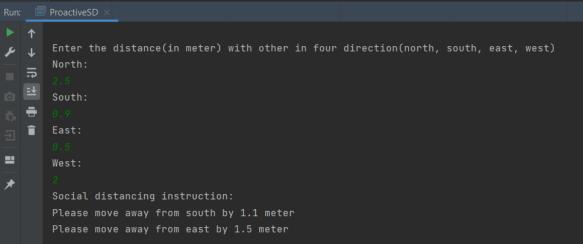
User's status:
Student ID:20297564

Name:Lee Boon Kah
Location ID:1
Location:Pavilion
Current Data:20/03/2022
Current Time:15:18:56
Status:Normal

Process finished with exit code 0
```

10. Output when the user inserted the distance in four direction that less than 2 meters (float number is allowed)





11. Output when the user inserted invalid input(error handling)

i. negative number

```
Run: ProactiveSD ×

Selection:

Your choice: 1

Location's information:

ID:1
Location: Pavilion
Location's area: 9000 square meters
Maximum capacity of the location: 2250 people
Average time per person mostly stay: 70 minutes.

The location's current capacity is 1405 person
You may enter the Pavilion.

Enter the distance(in meter) with other in four direction(north, south, east, west)
North:

Please reenter a positive number!
North:
```

ii. string

```
Selection: 1

Your choice: 1

Location's information:

ID:1

Location: Pavilion
Location's area: 9000 square meters
Maximum capacity of the location: 2250 people
Average time per person mostly stay: 70 minutes.

The location's current capacity is 936 person
You may enter the Pavilion.

Enter the distance(in meter) with other in four direction(north, south, east, west)
North:

Please reenter a positive number!
North:

North:

North:

North:

North:

North:

North:

North:
```

13. Output when the user inserted the distance in four direction that less than 2 meters and the random Boolean generator is true

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Rure ProactiveSO ×

Enter the distance(in meter) with other in four direction(north, south, east, west)

North:

South:

South:

East:

West:

Social distancing instruction:
Please move away from south by 1 meter
Please move away from west by 1 meter
Please move away from west by 1 meter

Since you did not practice social distance(around 2 meter) with another person and someone around you has been detected as close contact.

Hence your status will be set as causal contact!

User's status:
Student 10:28297564
Name:Lee Boon Kah
Location:Lotus
Current Data:2022/03/28
Current Time:15:20:43
Status:Casual contact

Process finished with exit code 8
```

14. Output when the user inserted the distance in four direction that less than 2 meters and the random Boolean generator is false

