

# Assignment 3

## Sample Runs

In the following sample runs, the user input is in boldface and underlined

# Sample Run 1

Walk in Clinic Simulation - Start

Please, enter arrival time of patients:

20 22 23 30

User enters this

Patient arriving at clinic at 20

Patient arriving at clinic at 22

Patient arriving at clinic at 23

Patient departing at clinic at 25

Patient arriving at clinic at 30

Patient departing at clinic at 30

Patient departing at clinic at 35

Patient departing at clinic at 40

Simulation result:

Total number of patients:4

Total wait time:15

Average wait time per patient:3.75

Walk in Clinic Simulation - End

# Sample Run 2

Walk in Clinic Simulation - Start

Please, enter arrival time of patients:

**1 2 4 20 22 24 26 28 30 88**



User enters this

Patient arriving at clinic at 1

Patient arriving at clinic at 2

Patient arriving at clinic at 4

Patient departing at clinic at 6

Patient departing at clinic at 11

Patient departing at clinic at 16

Patient arriving at clinic at 20

Patient arriving at clinic at 22

Patient arriving at clinic at 24

Patient departing at clinic at 25

Patient arriving at clinic at 26

Patient arriving at clinic at 28

Patient arriving at clinic at 30

Patient departing at clinic at 30

Patient departing at clinic at 35

Patient departing at clinic at 40

Patient departing at clinic at 45

Patient departing at clinic at 50

Patient arriving at clinic at 88

Patient departing at clinic at 93

Simulation result:

Total number of patients:10

Total wait time:56

Average wait time per patient:5.6

Walk in Clinic Simulation - End

# Sample Run 3

Walk in Clinic Simulation - Start

Please, enter arrival time of patients:

5 7 14 30 32 34

User enters this

Patient arriving at clinic at 5

Patient arriving at clinic at 7

Patient departing at clinic at 10

Patient arriving at clinic at 14

Patient departing at clinic at 15

Patient departing at clinic at 20

Patient arriving at clinic at 30

Patient arriving at clinic at 32

Patient arriving at clinic at 34

Patient departing at clinic at 35

Patient departing at clinic at 40

Patient departing at clinic at 45

Simulation result:

Total number of patients:6

Total wait time:13

Average wait time per patient:2.16667

Walk in Clinic Simulation - End

# Sample Run 4

Walk in Clinic Simulation - Start

Please, enter arrival time of patients:

**10 15 19 22 23 25 27 31**

Patient arriving at clinic at 10

Patient arriving at clinic at 15

Patient departing at clinic at 15

Patient arriving at clinic at 19

Patient departing at clinic at 20

Patient arriving at clinic at 22

Patient arriving at clinic at 23

Patient arriving at clinic at 25

Patient departing at clinic at 25

Patient arriving at clinic at 27

Patient departing at clinic at 30

Patient arriving at clinic at 31

Patient departing at clinic at 35

Patient departing at clinic at 40

Patient departing at clinic at 45

Patient departing at clinic at 50

User enters this

Simulation result:

Total number of patients:8

Total wait time:48

Average wait time per patient:6

Walk in Clinic Simulation - End

# Sample Run 5

Walk in Clinic Simulation - Start

Please, enter arrival time of patients:

4 9 14 20 30

User enters this

Patient arriving at clinic at 4

Patient arriving at clinic at 9

Patient departing at clinic at 9

Patient arriving at clinic at 14

Patient departing at clinic at 14

Patient departing at clinic at 19

Patient arriving at clinic at 20

Patient departing at clinic at 25

Patient arriving at clinic at 30

Patient departing at clinic at 35

Simulation result:

Total number of patients:5

Total wait time:0

Average wait time per patient:0

Walk in Clinic Simulation - End