Chapter 7 Exercises – Victor Harris

7.1

6PM, 2PM, and 10AM

7.2



7.3



7.4

Noted.

7.5

[] int counts should be int[] counts;

boolean[5000] occupied should be boolean[] occupied = new boolean[5000]

7.6

double[] readings = new double[60];

String[] urls = new String[90];

TicketMachine[] machines = TicketMachine[5];

7.7

0, it creates an array of 20 references.

7.8

It attempts to call a method ‘double()’, but should be double[] prices = new double[50];

7.9

An index out of bound exception is thrown

7.10

Graphical user interface, text, application

Description automatically generated

7.11

Graphical user interface, text, application, email

Description automatically generated

7.12

Graphical user interface, text, application, email

Description automatically generated

7.13

Graphical user interface, application

Description automatically generated

7.14

Table

Description automatically generated with low confidence

7.15

Graphical user interface, text, application, email

Description automatically generated

7.16

Graphical user interface, application

Description automatically generated

7.17

The first hour that had that highest count is returned.

7.18

Graphical user interface, text, application

Description automatically generated

7.19

Text

Description automatically generated with medium confidence

7.20

Achieved with a static array of values, which are incremented each time each code is returned.

7.21

Done

7.22

Fixed size would enforce the limit, but a flexible size could allow for one-off situations where the limit needs to be exceeded. Fixed would also ensure data integrity as it would require more rigid entry of students.

7.23

Graphical user interface

Description automatically generated with medium confidence

7.24

Calendar

Description automatically generated

7.25

Yes

7.26

There are 2,. It is used to fill an Array with the values of an int[]

7.27

No Calendar

Description automatically generated

7.28

Graphical user interface, text, application, email

Description automatically generated

7.29

Yes it does, because the state[] is changing dynamically, rather than remaining static.

7.30

You could use the values as references rather than access/modifying them directly.

7.31-7.34

Graphical user interface, text, application, email

Description automatically generated

7.35-36

Done.