

This: FIT1051 - Mock Exam 1 (pa: X +

student-eassessment.monash.edu/mod/quiz/attempt.php?attempt=294383&cmid=427&page=2

Gmail YouTube Maps

MONASH University

FIT1051 - Mock Exam 1

2:47:24

Kai Yan Foo

13e 13f 13g

Section E

14

Saved: 2:48:31

Key

- Attempted
- Unsure of attempt
- Not Attempted
- Incomplete

Notification

11a)

B1.

In the context of Object Orientation what is abstraction?

2 Marks

A B I U x_2 x^2 [List Icons] [ABC 123] [Undo] [Redo] [Fullscreen]

24°C Light rain

Windows Taskbar Icons

ENG US 22:29 11/06/2022

This: FIT1051 - Mock Exam 1 (pa: X +

student-eassessment.monash.edu/mod/quiz/attempt.php?attempt=294383&cmid=427&page=2

Gmail YouTube Maps

MONASH University

FIT1051 - Mock Exam 1

2:47:01

Kai Yan Foo

11b)

B2.

How does Java support encapsulation and data hiding?

2 Marks

A B I U x_2 x^2 [List Icons] [ABC 123] [Undo] [Redo] [Fullscreen]

Notification

24°C Light rain

Windows Taskbar Icons

ENG US 22:29 11/06/2022

This: FIT1051 - Mock Exam 1 (pa: X +

student-eassessment.monash.edu/mod/quiz/attempt.php?attempt=294383&cmid=427&page=2

Gmail YouTube Maps

MONASH University

FIT1051 - Mock Exam 1

2:46:50

Kai Yan Foo

11 of 14

11c)

2 Marks

B3.

By explaining exactly how a Java assignment statement executes explain what is wrong with the following Java statement:

`k + 1 = k;`

Notification

24°C Light rain

ENG US

22:29 11/06/2022

This: FIT1051 - Mock Exam 1 (pa: X +

student-eassessment.monash.edu/mod/quiz/attempt.php?attempt=294383&cmid=427&page=2

Gmail YouTube Maps

MONASH University

FIT1051 - Mock Exam 1

2:46:41

Kai Yan Foo

Report question issue

11d)

2 Marks

B4.

Using declarations and assignment statements to give an example of:

1. a widening conversion that compiles
2. a narrowing conversion that does not compile

Use comments to indicate which statement requires a widening conversion and which statement requires a narrowing conversion.

Notification

This: FIT1051 - Mock Exam 1 (pa... X

student-eassessment.monash.edu/mod/quiz/attempt.php?attempt=294383&cmid=427&page=3

Gmail YouTube Maps

This is a practice environment. Please go to <https://eassessment.monash.edu> for your exams. - 1 year old

Notification

24°C
Light rain

Windows Taskbar

ENG US 22:31 11/06/2022

12c)

10 Marks

C3 [10 marks]

You do not need to code a method.

Code a repetition control structure that processes an array of integers to count how many even and odd integers the array contains. Processing should cease when either a negative integer or the end of the array is encountered. The array can be any length and can be empty.

Declare all required variables and give them initial values if required.

If the array is not empty display the number of odd and even integers in the array, formatted informatively, using `System.out.println(...)` otherwise display a suitable message.

Rich Text Editor

Notification

24°C
Light rain

Windows Taskbar

ENG US 22:31 11/06/2022

This: FIT1051 - Mock Exam 1 (pa... X

student-eassessment.monash.edu/mod/quiz/attempt.php?attempt=294383&cmid=427&page=3

Gmail YouTube Maps

This is a practice environment. Please go to <https://eassessment.monash.edu> for your exams. - 1 year old

C4 [10 marks]

Code a method called `compareArrays` that takes two arrays of integers as parameters and returns a String.

Use the following table to determine the value of the returned String:

Condition	Return value
Arrays do not have the same number of elements	"Arrays are of unequal length."
Arrays have the same length but not all elements at the same index match	"Only n elements are identical." Where n is the number of elements that match
Arrays have same length and all elements at the same index match	"The arrays are identical."

Notification

24°C
Light rain

This: FIT1051 - Mock Exam 1 (pa... X

student-eassessment.monash.edu/mod/quiz/attempt.php?attempt=294383&cmid=427&page=3

Gmail YouTube Maps

This is a practice environment. Please go to <https://eassessment.monash.edu> for your exams. - 1 year old

12e)

C5 [10 marks]

Code a method called `add10` that takes an array of integers as its only input parameter and returns an array. The returned array is the same as the input array except every element that is even and preceded by an element that is more than 100 has its value set to 0. The first element of the input array is a special case. If it is even and its value is more than 100 it should be reset to 0 otherwise it's left unchanged.

e.g. an input of {101, 101, 2, 102, 3, 99, 4, 80, 500, 200} returns {101, 101, 0, 102, 3, 99, 4, 80, 500, 0}

e.g. an input of {102, 101, 2, 102, 4, 101, 4, 80, 500, 201} returns {0, 101, 0, 102, 0, 101, 0, 80, 500, 201}

Notification

24°C
Light rain

This: FIT1051 - Mock Exam 1 (pa... X

student-eassessment.monash.edu/mod/quiz/attempt.php?attempt=294383&cmid=427&page=3

Gmail YouTube Maps

This is a practice environment. Please go to <https://eassessment.monash.edu> for your exams. - 1 year old

10 Marks

A B I U x₂ x² [Rich Text Editor]

22:32
11/06/2022

5
Marks

Also, code class level static variables for the minimum and maximum health levels.

3
Marks

A ▼ B I U x₂ x² [List Icons] [Table Icon] [Quote Icon] [Link Icon] ABC 123 ↺ ↻ ↶ ↷

