Q (https://profile.intra.42.fr/searches)

nalysann

(https://profile.intra.42.fr)

Remember that the quality of the defenses, hence the quality of the of the school on the labor market depends on you. The remote defences during the Covid crisis allows more flexibility so you can progress into your curriculum, but also brings more risks of cheat, injustice, laziness, that will harm everyone's skills development. We do count on your maturity and wisdom during these remote defenses for the benefits of the entire community.

SCALE FOR PROJECT PISCINE OCAML (/PROJECTS /42CURSUS-PISCINE-OCAML) / DAY 03 (/PROJECTS /42CURSUS-PISCINE-OCAML-DAY-03)

You should evaluate 1 student in this team



Git repository

git@vogsphere.msk.21-school.ru:vogsphere/intra-uuid-2c4762cd-557a-4f



Introduction

For the good of this evaluation, we ask you to:

- Stay mannerly, polite, respectful and constructive dunring this evaluation. The trust between you and the 42 community depends
- Bring out to the graded student (or team) any mistake she or he might did.
- Accept that there might be differences of interpretation of the subject or the rules between you and the graded student (or team). Stay open minded and grade as honnestly as possible.

Guidelines

- You must grade only what is present and the graded student's (or team) repository.
- You must stop grading at the first failed exercice, but you are encouraged to continue testing and discussing the following exercices.

Attachments

subject.pdf (https://cdn.intra.42.fr/pdf/pdf/27338/en.subject.pdf)

Preliminaries

This section is dedicated to setup the evaluation and to test the prerequisits. It doesn't rewards points, but if something is wrong at this step or at any point of the evaluation, the grade is 0, and an approriate flag might be checked if needed.

Respect of the rules

08.08.2021, 13:28 1 of 5

- The graded student (or team) work is present on her or his repository.
- The graded student (or team) is able to explain her or his work at any time of the evaluation.
- The general rules and the possible day-specific rules are respected at any time of the evaluation.



 \times No

OCaml piscine D03

- For each exercice, you must compile the exercice using ocamlopt and run the generated executable. If the compilation fails or warns, or an exception is thrown at runtime, the exercice is failed. - Whether the graded student provided tests or not, you must test her or his work extensively and asses if the work is done or not. - Remember to check function names, types, behaviours and outputs.

Ex00, Chucalescu - Stupalacci

Test the program. It should draw a square in a x11 window and a node of a btree and it's value. The node can be drawn horizontaly or vertically, it doesn't matter at all. If any function other than lineto, moveto or draw_string is used, it should be considered as cheating so give the student a little snap on the back of the head and click the cheat button. The beauty of the drawings is not mandatory. So if it's ugly but works as intented, give the student the points.



 \times No

Ex01, Basic Gardening

Test the following functions, including a test with the empty

- size : should return the size of a Binary Search Tree (BST).
- (1 pts)
- height: should return the height of a BST. (2 pts)
- draw_tree: should draw a BST and the corresponding nodes in a graphical window using the graphics module. (2 pts)

For instance, the tree Node("root", Node("left", Nil, Nil), Node("right"), Nil, Nil) should have a size of 3, an height of 2.

Rate it from 0 (failed) through 5 (excellent)



Ex02, All Good Ciphers Go To Heaven

Check that the rot42 and unrot42 functions work as intented. (1 pts) Check that the caesar and uncaesar functions work as intented. (1 pts) Check that the xor function works as intented. (1 pts) Check that the ft_crypt and ft_uncrypt work as intented

2 of 5 08.08.2021, 13:28

(2 pts)

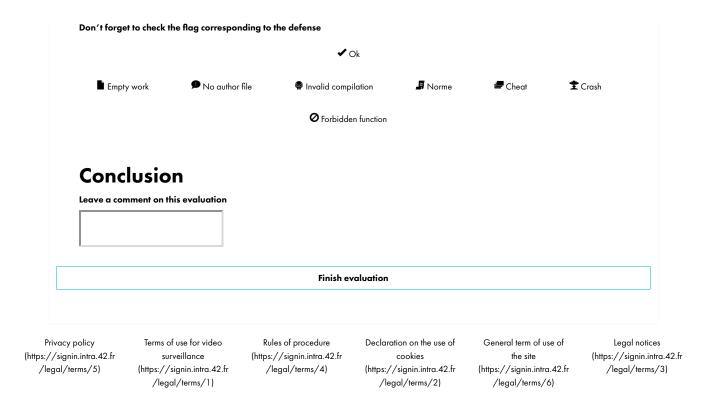
Rate it from 0 (failed) through 5 (excellent)

3 of 5 08.08.2021, 13:28

ex03, Gardening Research	
Check the following functions :	
is_bst (1 pts)	
is_perfect (1 pts)	
- is_balanced (1 pts)	
- search_bst (1 pts)	
- delete_bst (1 pts)	
Feel free to check the behaviour of any function with an empty	
tree. As written in the subject, the student must have provided	
sufficient material for defence testing. Anything that can't be tested is NOT graded.	
Rate it from 0 (failed) through 5 (e	excellent)
Ex04, Adelson Velsky Landis	
,	
Check the following functions :	
- insert_avl : the main purpose of this function is to add an	
element to an AVL tree. There's a trap, since an AVL tree	
must be balanced, the student must have implemented	
functions to re-balance the tree after the add. Be torough	
evaluating this function.	
- delete_avl : same rule as above, after the deletion, the AVL	
tree must be re-balanced.	
⊘ Yes	×N₀
Bonus	
If at any exercise the student made a graphic implementation of	
the program or the function, give some bonus points according to	
the accuracy of the drawing and the relative beauty of all	
living things. Although, if the student has provided additionnal	
function about the tree implementation, you should give him some	
bonus points. Hint -> for the last part about the AVL, the	
student should have implemented rebalancing functions and min/	
max of sub tree functions. It counts also as bonus.	
Rate it from 0 (failed) through 5 (e	excellent)

Ratings

4 of 5 08.08.2021, 13:28



5 of 5