Book->Chapter->Module->Assignment->Brix

Every new CS title should be created using the structure similar to GUID 221214e3-7450-46e4-8e0c-179e9715aed7

Refer Nemo Help for information on how to create a book structure.

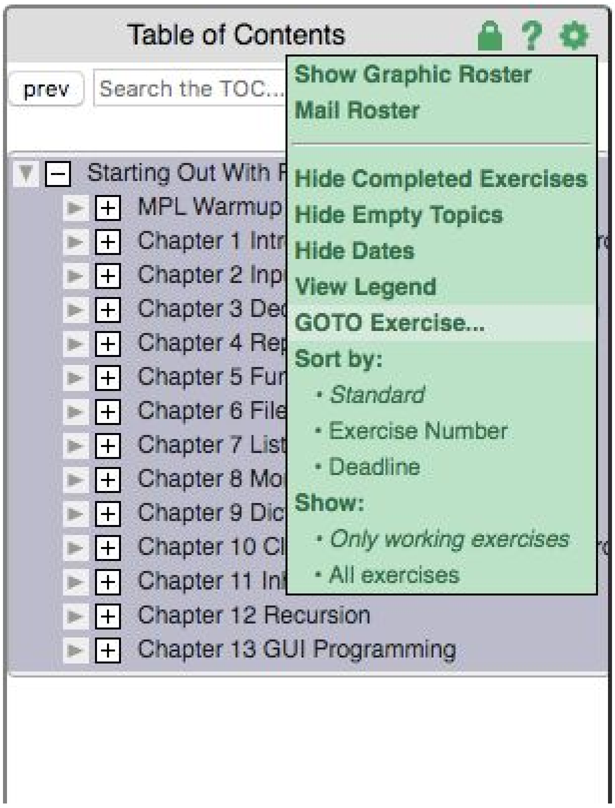
Do not make copies of entire assignments / modules / titles

Sometimes a new revision of a title will be 80% similar to the old revision. As tempting as it is to just make a copy of the title and make changes where required, this should **not** be done. This is because we do not want multiple copies on Nemo.

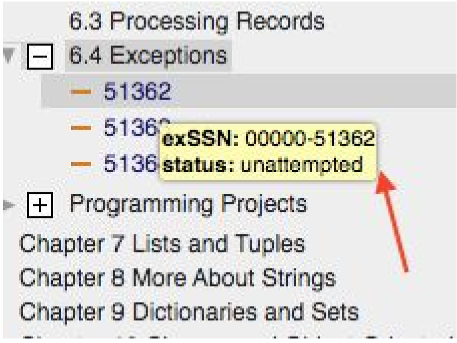
If any Quiz can be reused, it’s fine to reuse it. Create a new module and use the old Quiz’s GUID wherever applicable.

How to find an item on MyProgrammingLab

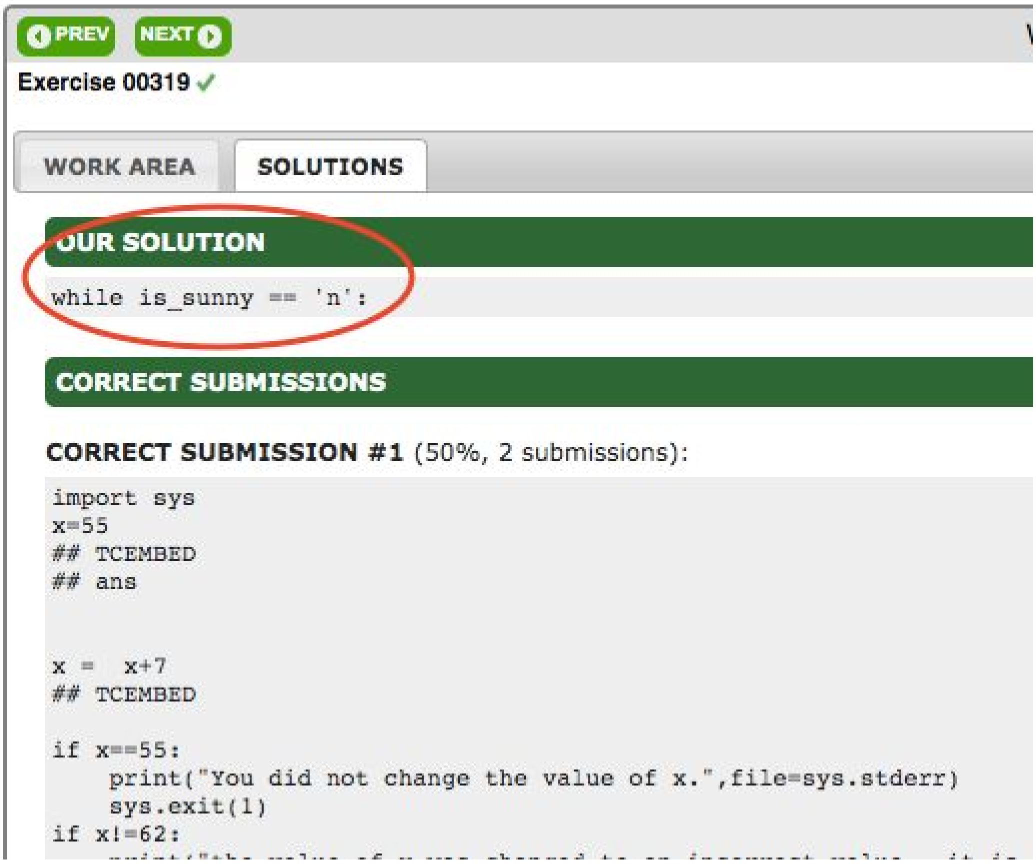
1. Login to myprogramminglab
2. Open the course where the item is. For example, if you are working on Gaddis C++, open the Gaddis C++ course
3. Go to Table of Contents and click on Go To Exercise



4. Hover around an item to see its full exercise number.



5. This where you will see the correct solution



Exercise 00319 ✓

OUR SOLUTION

```
while is_sunny == 'n':
```

CORRECT SUBMISSIONS

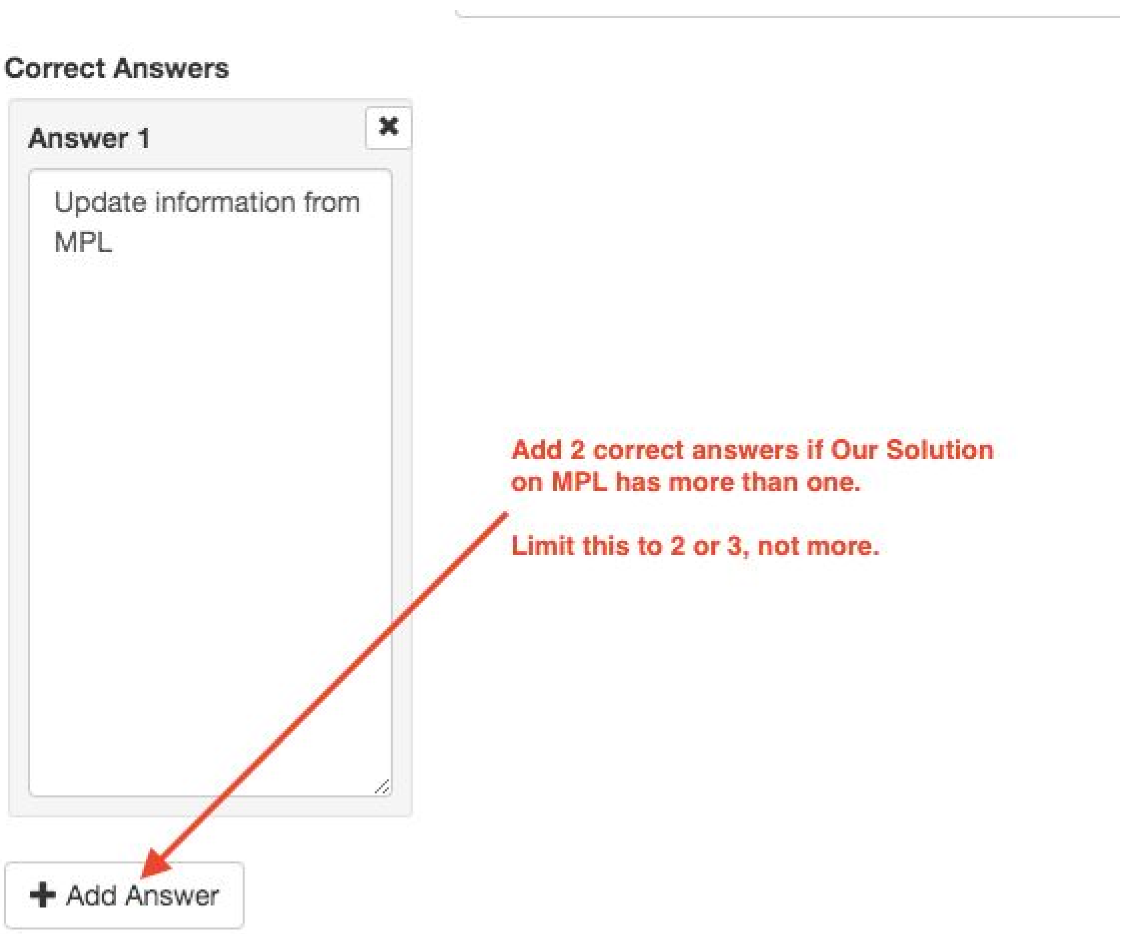
CORRECT SUBMISSION #1 (50%, 2 submissions):

```
import sys
x=55
## TCEMBED
## ans


x =  x+7
## TCEMBED

if x==55:
    print("You did not change the value of x.",file=sys.stderr)
    sys.exit(1)
if x!=62:
```

6. Only copy “our solution”
7. If there are 2 “our solutions” include both on Nemo



Correct Answers

Answer 1

Update information from MPL

Add 2 correct answers if Our Solution on MPL has more than one.

Limit this to 2 or 3, not more.

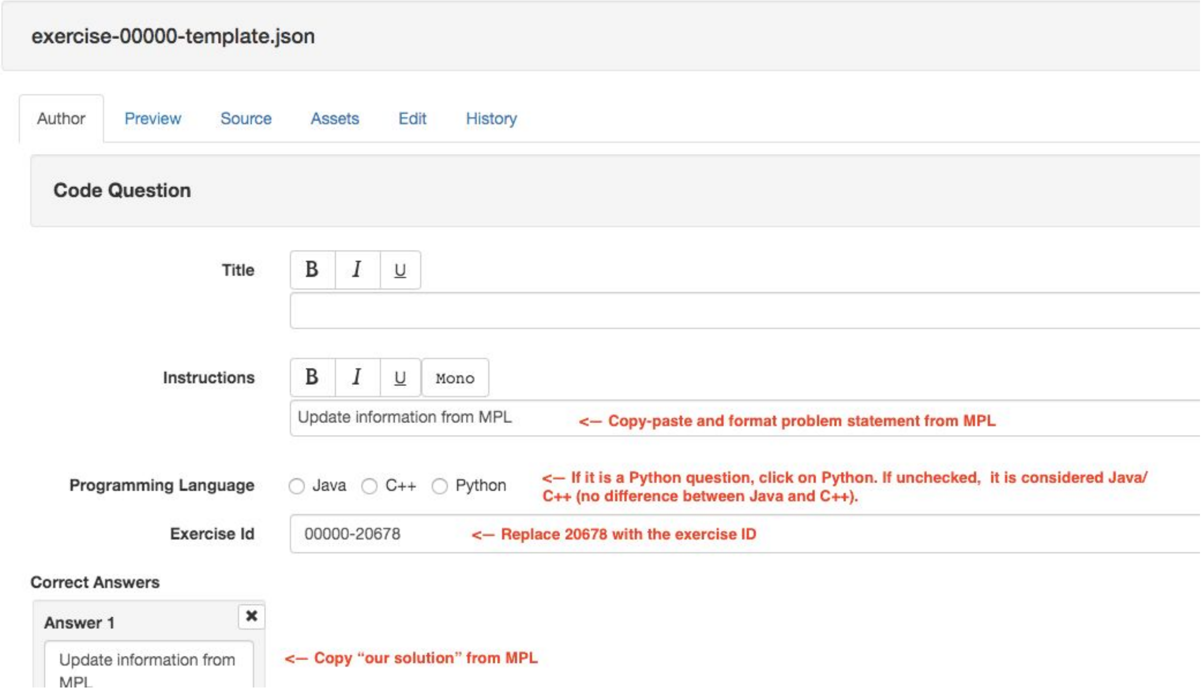
Code Question Brix

To add a Code Question Brix to a quiz, first search for the existence of the Brix on Nemo. For example, if you want to add MPL question 20678 to a quiz, search for 20678.

If it exists, it will show up as “exercise-00000-20678.json”. If there are multiple copies of this item, use the latest copy.

If it doesn’t exist, then create it. In order to create it:

1. Make a copy of this item: 9ed6ba16-a669-4e20-a805-cb32a5e796d0
2. Change the following



Code Question

Title:

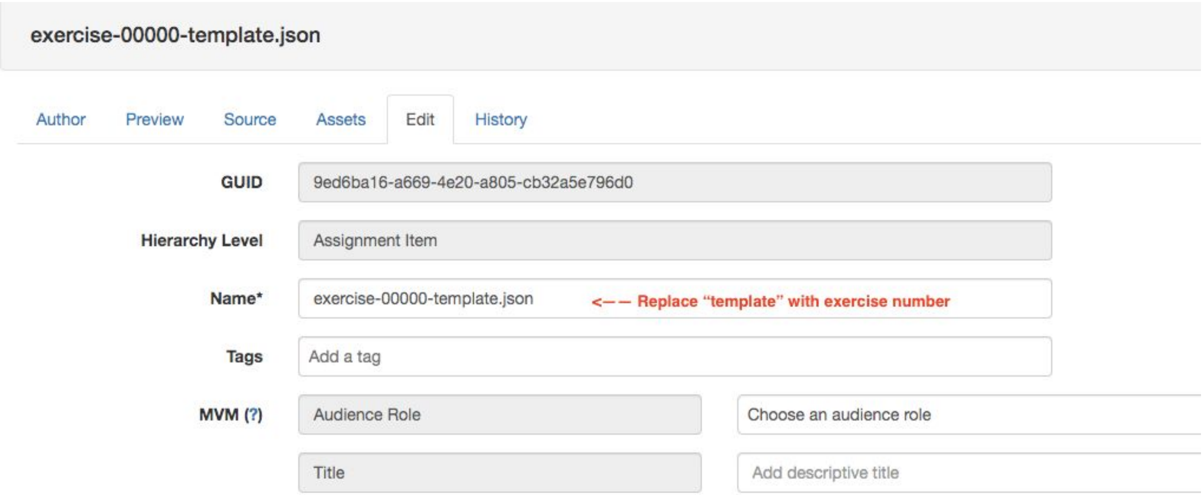
Instructions: Update information from MPL <– Copy-paste and format problem statement from MPL

Programming Language: ○ Java ○ C++ ○ Python <– If it is a Python question, click on Python. If unchecked, it is considered Java/ C++ (no difference between Java and C++).

Exercise Id: 00000-20678 <– Replace 20678 with the exercise ID

Correct Answers

Update information from MPL <– Copy “our solution” from MPL



exercise-00000-template.json

GUID: 9ed6ba16-a669-4e20-a805-cb32a5e796d0

Hierarchy Level: Assignment Item

Name*: exercise-00000-template.json <—— Replace “template” with exercise number

Tags: Add a tag

MVM (?): Audience Role: Choose an audience role

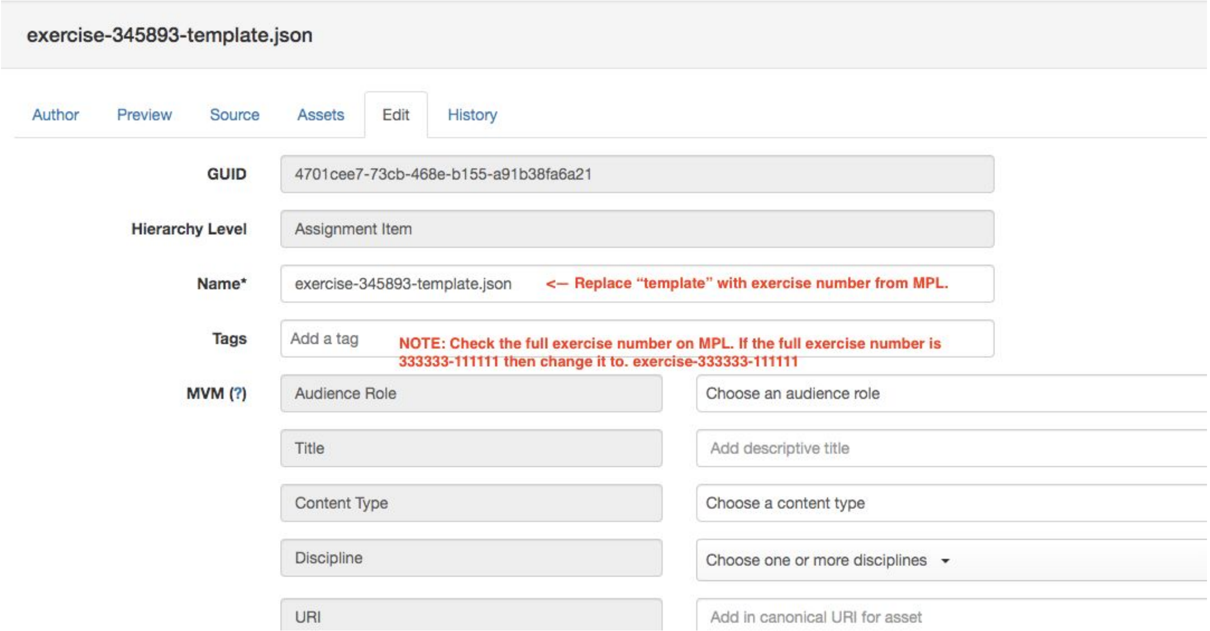
Title: Add descriptive title

3. Please note that hitting the submit button on Nemo in the Preview mode is not going to give you a correct response. This is just UX, it is not connected to the answer engine. In order to test, you have to test it on Revel.

Simple Code Question Brix

1.Make a copy of this item: 4701cee7-73cb-468e-b155-a91b38fa6a21

2. Change the following:



exercise-345893-template.json

GUID: 4701cee7-73cb-468e-b155-a91b38fa6a21

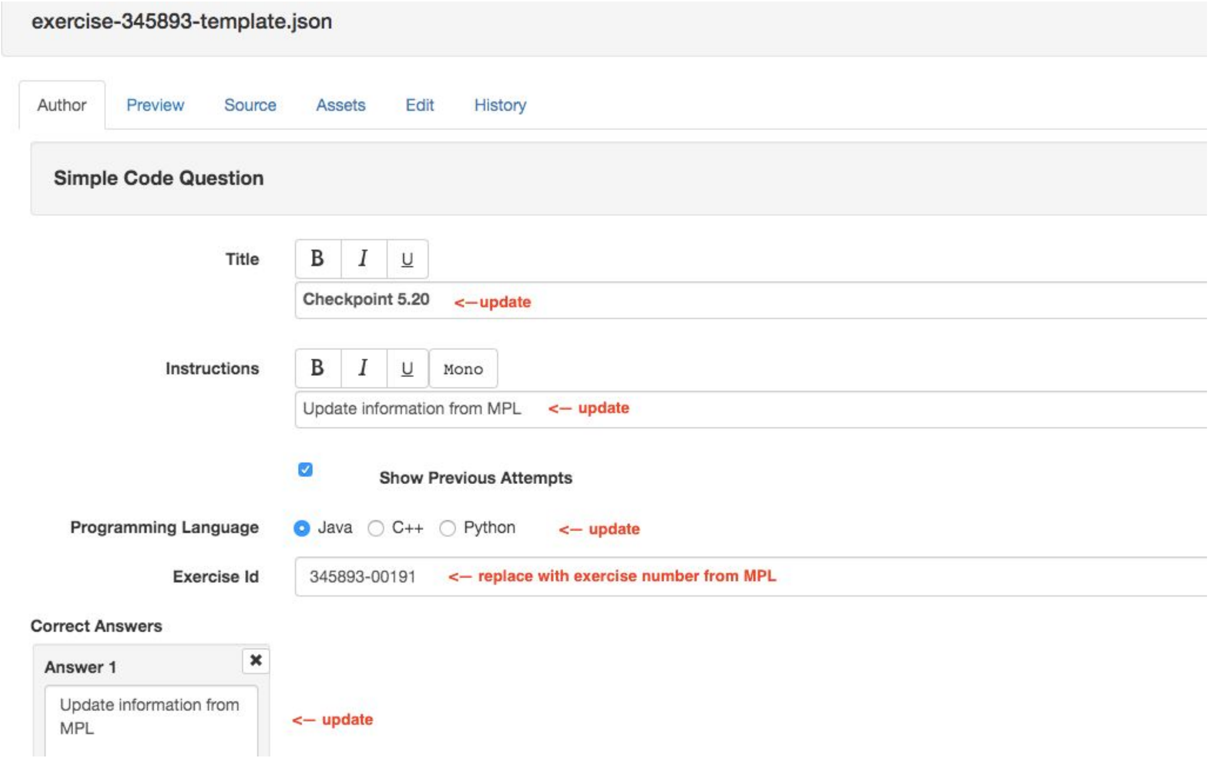
Hierarchy Level: Assignment Item

Name*: exercise-345893-template.json <– Replace “template” with exercise number from MPL.

Tags: Add a tag NOTE: Check the full exercise number on MPL. If the full exercise number is 333333-111111 then change it to. exercise-333333-111111

MVM (?)

Audience Role	Choose an audience role
Title	Add descriptive title
Content Type	Choose a content type
Discipline	Choose one or more disciplines ▾
URI	Add in canonical URI for asset



exercise-345893-template.json

Simple Code Question

Title:

Checkpoint 5.20 <–update

Instructions:

Update information from MPL <– update

☑ Show Previous Attempts

Programming Language: ● Java ○ C++ ○ Python <– update

Exercise Id: 345893-00191 <– replace with exercise number from MPL

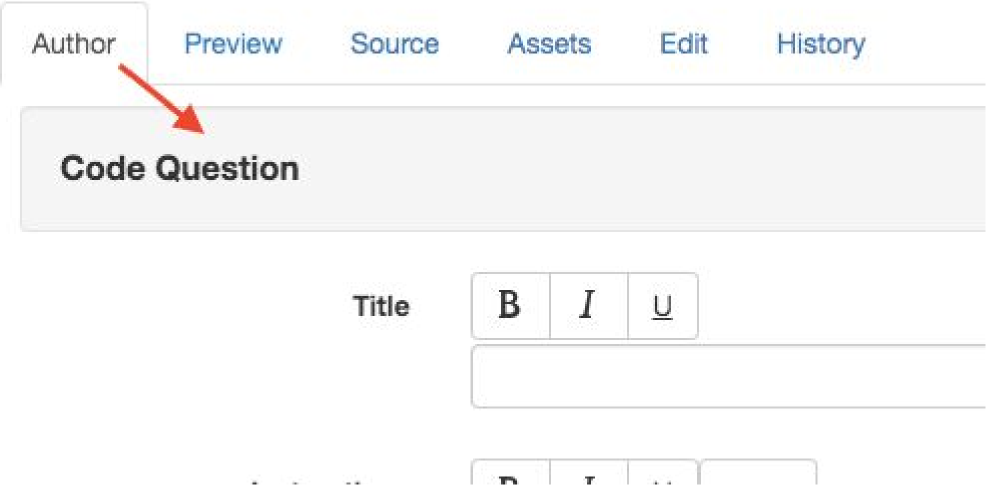
Correct Answers

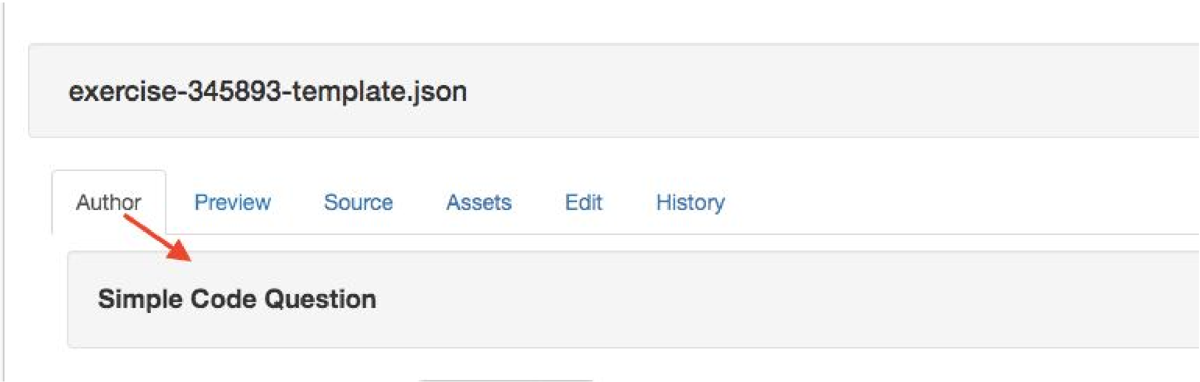
Answer 1 ✖

Update information from MPL <– update

3. Please note that hitting the submit button on Nemo in the Preview mode is not going to give you a correct response. This is just UX, it is not connected to the answer engine. In order to test, you have to test it on Revel.

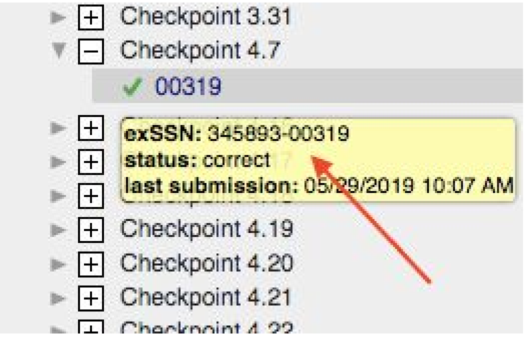
4. Please note that while Code Question and Simple Code look alike on the Nemo side, they are different. Make sure you use the correct assignment type. A quick check for that is to see what is displayed in Author tab. See below.





5. Please note that Simple Code on MyProgrammingLab has exercise IDs that don’t begin with “00000”

See below for a Simple Code Question



Checkpoint 3.31

Checkpoint 4.7

✓ 00319

exSSN: 345893-00319
status: correct
last submission: 05/29/2019 10:07 AM

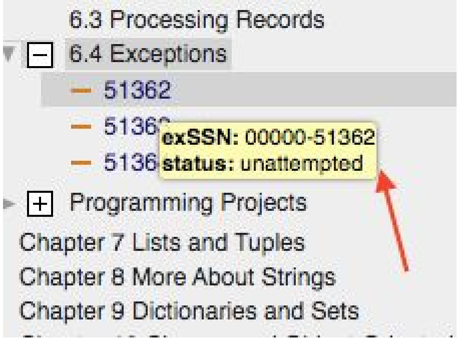
Checkpoint 4.19

Checkpoint 4.20

Checkpoint 4.21

Checkpoint 4.22

See below for a Code Question



6.3 Processing Records

6.4 Exceptions

51362

exSSN: 00000-51362
status: unattempted

Programming Projects

Chapter 7 Lists and Tuples

Chapter 8 More About Strings

Chapter 9 Dictionaries and Sets

Live Example Brix

Have a look at the Live Example Brix in the title:
221214e3-7450-46e4-8e0c-179e9715aed7 (java)
d8dc7f56-67f7-4cd9-968f-7199e1efcf61 (python)
F2f24cc0-d872-48dd-8d16-543b7128e9ab (c++)

Make a copy of a Live Example Brix
Change the following:

1. Programming Language and Version
2. Exercise Instruction
3. Source file name and executable file name (note how it’s names in java, python, c++ respectively)
4. Initial Code
5. Initial Cursor Position -- If the exercise instruction states “Change line 15” then place the cursor in line 15. If instruction doesn’t call out any particular line, then let the default remain.
6. Lines to Display -- Try to make the minimum lines just 2 to 3 lines greater than the maximum number of lines *provided* the maximum lines is around 25. That is, don’t make the minimum lines greater than 25 at all. This is because we want the Brix to fix on the screen, it’s ok if the student has to scroll. The Python titles have min/max lines done accurately -- if you have any doubts, check the Python title and see how it’s done there.
7. Answer
8. Unlike Code Question Brix and Simple Code Question Brix, with this Brix you can check if it works. After coding the problem, go to Preview mode, click “Answer” and submit. Every item you code should compile without any errors when you hit Answer.