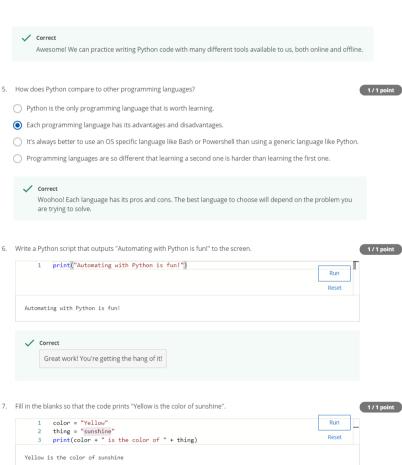
TO PASS 80% or higher



GRADE 100%

LAT	Todule 1 Graded Assessment  TEST SUBMISSION GRADE
1(	00%
1.	What is a computer program?  A file that gets printed by the Python interpreter.  The syntax and semantics of Python.  The overview of what the computer will have to do to solve some automation problem.  A step-by-step recipe of what needs to be done to complete a task, that gets executed by the computer.
	Correct Right on! Being able to write such programs is a super useful skill that you'll acquire through this course.
2.	What's automation?  The inputs and outputs of a program.  The process of replacing a manual step with one that happens automatically.  The checkout processes at a grocery store.  The process of getting a haircut.
	Correct You got it! By replacing a manual step with an automatic one we create automation that helps us reduce unnecessary manual work.
3.	Which of the following tasks are good candidates for automation? Check all that apply.  Writing a computer program.  Creating a report of how much each sales person has sold in the last month.
	<ul> <li>Correct         You nailed it! Creating reports based on data are a great example of things that can be automated.     </li> <li>Setting the home directory and access permissions for new employees joining your company.</li> </ul>
	Correct Spot on! The process of setting up the account for a new employee is usually repetitive and most of it can be automated.
	<ul> <li>□ Designing the new webpage for your company.</li> <li>□ Taking pictures of friends and family at a wedding.</li> <li>☑ Populating your company's e-commerce site with the latest products in the catalog.</li> </ul>
	Correct Nice job! Automatically populating a website based on data is a great example of a task that can be automated.
4.	What are some characteristics of the Python programming language? Check all that apply.  1/1 point  Python programs are easy to write and understand.
	Correct  Right on! Because the syntax used by Python is similar to the one used by the English language, Python programs are easy to write and understand.
	The Python interpreter reads our code and transforms it into computer instructions.
	<ul> <li>Correct         You nailed it! We write our code using Python's syntax and semantics, and the interpreter transforms that into instructions that our computer executes.     </li> </ul>
	lt's an outdated language that's barely in use anymore.

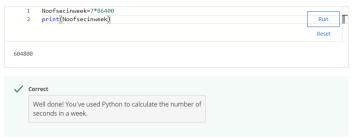
✓ We can practice Python using web interpreters or codepads as well as executing it locally.



✓ Correct Nice job! By using variables we're getting Python to do the

8. Keeping in mind there are 86400 seconds per day, write a program that calculates how many seconds there are in a week, if a week is 7 days. Print the result on the screen.

Note: Your result should be in the format of just a number, not a sentence.



9.Use Python to calculate how many different passwords can be formed with 6 lower case English letters. For a 1 letter password, there would be 26 possibilities. For a 2 letter password, each letter is independent of the other, so there would be 26 times 26 possibilities. Using this information, print the amount of possible passwords that can be formed with 6 letters.

1/1 point



10. Most hard drives are divided into sectors of 512 bytes each. Our disk has a size of 16 GB. Fill in the blank to calculate how

Note: Your result should be in the format of just a number, not a sentence.

```
disk_size = 16*1024*1024*1024
sector_size = 512
sector_amount = disk_size//sector_size
                                                                                               Run
print(sector_amount)
```

33554432



You nailed it! Yet another calculation that we don't need to do ourselves!