

Option #2: List Computations

Assignment Instructions

Compute their Cartesian product, $A \times B$ of two lists. Each list has no more than 10 numbers.

For example, given the two input lists:

$A = [1,2]$

$B = [3,4]$

then the Cartesian product output should be:

$A \times B = [(1,3),(1,4),(2,3),(2,4)]$

Assignment Submission Instructions

- Submit the text files containing your Python code as a zip file into the drop box. Name your file *ITS320_CTA6_Option2.py*.

ITS320 Module 6 Critical Thinking

Criteria	Ratings				Pts
Requirements	10.0 to >8.0 pts Meets Expectation Includes all of the required components, as specified in the assignment, including the submission of the text file that contains your Python code in Option 1 OR Option 2.	8.0 to >6.0 pts Approaches Expectation Includes most of the required components, as specified in the assignment.	6.0 to >4.0 pts Below Expectation Includes some of the required components, as specified in the assignment.	4.0 to >0 pts Limited Evidence Includes few of the required components, as specified in the assignment.	10.0 pts
Content	10.0 to >8.0 pts Meets Expectation Demonstrates strong or adequate knowledge of working with Python classes OR list computations; correctly represents knowledge from the readings and sources.	8.0 to >6.0 pts Approaches Expectation Some significant but not major errors or omissions in demonstration of knowledge.	6.0 to >4.0 pts Below Expectation Major errors or omissions in demonstration of knowledge.	4.0 to >0 pts Limited Evidence Fails to demonstrate knowledge of the materials.	10.0 pts
Problem Solving	10.0 to >8.0 pts Meets Expectation Demonstrates strong or adequate thought and insight in problem solving.	8.0 to >6.0 pts Approaches Expectation Some significant but not major errors or omissions in problem solving.	6.0 to >4.0 pts Below Expectation Major errors or omissions in problem solving.	4.0 to >0 pts Limited Evidence Fails to demonstrate problem solving.	10.0 pts
Critical Thinking	10.0 to >8.0 pts Meets Expectation Demonstrates strong or adequate critical thinking in working through the coding process.	8.0 to >6.0 pts Approaches Expectation Some significant but not major errors or omissions in critical thinking.	6.0 to >4.0 pts Below Expectation Major errors or omissions in critical thinking.	4.0 to >0 pts Limited Evidence Fails to demonstrate critical thinking.	10.0 pts

Criteria	Ratings				Pts
<p>Demonstrates college-level proficiency in organization, grammar and style.</p>	<p>10.0 to >8.0 pts Meets Expectation Project is clearly organized, well written, and in proper format as outlined in the assignment. Strong sentence and paragraph structure; few errors in grammar and spelling.</p>	<p>8.0 to >6.0 pts Approaches Expectation Project is fairly well organized and written, and is in proper format as outlined in the assignment. Reasonably good sentence and paragraph structure; significant number of errors in grammar and spelling.</p>	<p>6.0 to >4.0 pts Below Expectation Project is poorly organized and does not follow proper paper format. Inconsistent to inadequate sentence and paragraph development; numerous errors in grammar and spelling.</p>	<p>4.0 to >0 pts Limited Evidence Project is not organized or well written, and is not in proper paper format. Poor quality work; unacceptable in terms of grammar and spelling.</p>	10.0 pts
<p>Demonstrates proper use of APA style</p>	<p>10.0 to >8.0 pts Meets Expectation Project and/or questions contain proper APA formatting, according to the CSU-Global Guide to Writing and APA, with no more than one significant error.</p>	<p>8.0 to >6.0 pts Approaches Expectation Few errors in APA formatting, according to the CSU-Global Guide to Writing and APA, with no more than two to three significant errors.</p>	<p>6.0 to >4.0 pts Below Expectation Significant errors in APA formatting, according to the CSU-Global Guide to Writing and APA, with four to five significant errors.</p>	<p>4.0 to >0 pts Limited Evidence Numerous errors in APA formatting, according to the CSU-Global Guide to Writing and APA, with more than five significant errors.</p>	