

Report:	r01 – Programming Language Analysis Perform an analysis of the programming language of your choice. Put your analysis in a report whose organization is given below. Write an introduction to the programming language that includes the author of the language, when it was created, its features, design goals, and applications. Give examples that illustrate the language's assets and liabilities. Describe the assets and liabilities of the language. Write a conclusion. Include references where at least one reference is from the ACM digital library and one reference is from the IEEE Computer Society digital library.
Submission Instructions	Send a note to me, trturner@uco.edu , having one attachment. 1. Attach a copy of your report analyzing a programming language of your choice according to the specifications given below. 2. The subject line of your report must conform to the following format: <i>your CRN- your last name-your first name-r01</i> . For example if your name is Allan Turing and you are enrolled in CRN 00000, the subject line should be 00000-Turing-Alan-r01 . Please note the hyphen – separating fields in the subject line of your note. 3. The format of the file name of your report is similar to the subject line. The format of the file name of your report is: <i>your CRN- your last name-your first name-r01.docx</i> . For example if your name is Allan Turing and you are enrolled in CRN 00000, the name of your summary should be 00000-Turing-Alan-r01.docx . Please note that you must employ Microsoft Office Word 2015 ® or later to write your report.
Report Organization	The report must be organized as follows: 1. Your author identification block must be the first item in your report. An author identification block contains your name, student id, e-mail address, course, CRN, report r01, and the due date. 2. Directly after the author identification block comes the scoring block as shown on the following page. 3. On a new page, center the title of your report and include the following sections. 4. Introduction. Introduce the language. Include the following points in your introduction. 4.1. Identify the authors 4.2. Date of creation 4.3. Features that characterize the programming language 4.4. Design goals for the language 4.5. Applications that are written in the language 5. Example Programs. Include example programs that you have actually compiled and tested that illustrate features that characterize the programming language. Discuss how each program functions. 6. Assets. Describe components of the language that benefit project designers. For example, does the programming language have features that measurably shorten development time for applications the programming language designers envisioned? Does the programming language have features that measurably diminish the cost of maintenance and enhancement over a period of time? Every asset you name must be accompanied by an example program.

Report Organization (continued)	<p>7. Liabilities. Describe oversights designer failed to address. Describe inconsistencies in the language. Discuss limitations of the programming language. Every liability you discuss must be illustrated by an example program.</p> <p>8. Conclusions. Recommend applications for which the programming language could be used successfully. Justify your recommendations.</p> <p>9. References. Include formal bibliographic references at the end of your paper similar to the references found in the sources you used to write this paper.</p>
References	<ol style="list-style-type: none"> 1. You must use at least two (2) references from the electronic libraries available online via the UCO Chambers Library. 2. One of the references must be from the Association for Computing Machinery. 3. The other reference must be from the IEEE Computer Society. 4. You may include other references as well.
Library Instructions:	<ol style="list-style-type: none"> 1. Go to http://library.uco.edu/ 2. Click "Search Databases" 3. Click "ACM – Assoc. for Computing Machinery" or Click "IEEE Computer Society"

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Scoring Block			
Task	Maximum	Earned	Comments
Submission Instruction	5	5	
Author Identification	1	1	
Scoring Block	1	1	
Authors	2	2	
Creation Date	2	2	
Features	2	2	
Design Goals	2	2	
Applications	2	2	
Example Programs	15	15	
Assets	7	7	
Liabilities	7	7	
Conclusion	2	2	
References	2	2	
Total	50	50	