# p01 First Deliverable



### **Getting Started**

Begin by <u>following this link to create your individual replit project repository</u> (https://replit.com/team/csci111-2023-fall/ColorVisionProject).

#### **Assignment**

You should first follow directions to sign up for a <u>FOCUS</u> GOAL and brainstorm how you can take a unique, innovative approach to improve upon the problem.

Keep in mind that the project will be completed incrementally. Don't try to solve it all at once! Decompose the problem into something small so you can try it, see how well your experiment works, and then adapt to improve it in the next increment.

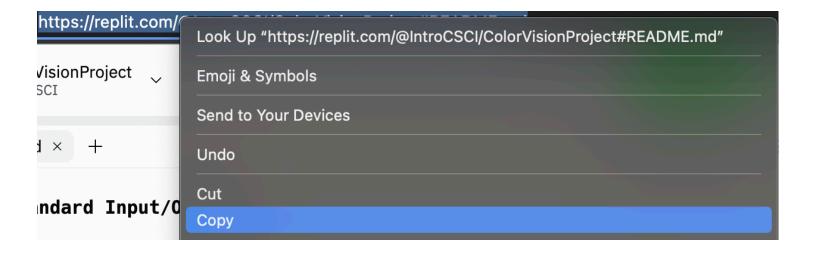
Incrementally develop your program and then update the README.md file to replace all text that begins and ends with !!! to document your particular program. This first deliverable (p01) should demonstrate use of:

- Variables appropriate use of at least two different variables with different data types. At least one should be an array or vector.
- Standard I/O appropriate use of (at least one use of) output and (at least one use of) input
- Decisions appropriate use of at least three different kinds of decisions (if, else if, else, switch)
- Iteration appropriate use of iteration (loops)
- Functions appropriate use of at least two examples of functions you have <u>created and used</u>, using at least <u>two different return types</u>

#### **Submitting**

Once you are satisfied with your work for this deliverable, make sure you have updated your **README.md** to provide explanations of what your deliverable does and examples of appropriate use of the above required C++ concepts.

Press **SUBMIT** in the top-right of Replit. ALSO go to the web browser's URL and copy it:



Select to **Attempt** this assignment where you can **paste the URL** you just copied.

Press **Submit** and wait for a confirmation it has been submitted.

## Grading

You will be graded on the following:

- **Useful Progress (20%)** The program has clear use, no known faults, and the documentation is clear and makes the program easy to use
- Variables (10%) Both the use and documentation show clear understanding and appropriate use of variables as required
- Standard IO (10%) Both the use and documentation show clear understanding and appropriate use
  of Standard I/O as required
- Decisions (20%) Both the use and documentation show clear understanding and appropriate use
  of decisions as required
- **Iteration (20%)** Both the use and documentation show clear understanding and appropriate use of iteration as required
- Functions (20%) Both the use and documentation show clear understanding and appropriate use of functions as required

Points 100

Submitting a website url

Due	For	Available from	Until
Oct 13, 2023	Everyone else	-	Oct 13, 2023 at 11:59pm

Due	For	Available from	Until
Oct 15, 2023	1 student	-	-
Oct 16, 2023 at 3pm	1 student	-	-
Oct 17, 2023	1 student	-	-

**Project - First Deliverable** 

Criteria	Ratings							Pts	
Useful Progress	20 pts 15 pts Proficient Sufficient		10 pts Competent		5 pts Novice		0 pts None		
	The program has clear use, no known faults, and the documentation is clear and makes the program easy to use.	program has r use, no wn faults, and few/no known faults. The documentation r and makes program easy  The program has use and has ver few/no known faults. The documentation informative enough to use		has The program has use and has limited number of faults with user interaction. The documentation and		The program runs but its functionality is quite limited, difficult to use, or has faults.		The program does not compile or the program does not	t 20 pts
Variables	10 pts Proficient Both the use and documentation show clear and evident understanding of the concept	without help. 7.5 pts Sufficient The concept is fairly consistent with best practices but the documented explanations could use clearer	Mos appr but t room impr the c used the	t use is opriate here is	There is some appropriate use, but the examples suggest some major misunderstandings and/or poor practices		O ptsanything None seful.  This no appropriate use, or the examples do not demonstrate proper understanding.		10 pts
Input/Output	10 pts Proficient Both the use and documentation show clear and evident understanding of the concept	######################################	ender the cused the	is passible to the properties of the topic of the topic of the topic of the topic of the concept is used and/or the concept is documentation  2.5 pts  Novice  There is some appropriate use but the example suggest some major misunderstand and/or poor practices		iate use, examples some erstandings	O pts None This no appropriate use, or the examples do not demonstrate proper understanding.		10 pts
Decisions	20 pts Proficient Both the use and documentation show clear and evident understanding of the concept	despriptions  Sufficient  Figure 20 Action 1	incop work Midb appr but t room impr the c	replete retenting fuse is opriate here is	but the o	iate use, examples some erstandings	appluse example exampl	is no propriate e, or the amples do	20 pts

Criteria			Ratings			Pts
		could use	documentation			
Iteration	20 pts Proficient	clearer 15 pts descriptions Sufficient that	suggests 10 pts incomplete Competent understanding	5 pts Novice	0 pts None	
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	and	<del>i</del> ⊛ıfairly	appropriate	appropriate use,	appropriate	
	documentation	GAREISTERITION	but there is	but the examples	use, or the	
	show clear	with best	room for	suggest some	examples do	20 pts
	and evident	practices but	improving how	major	not	
	understanding	the	the concept is	misunderstandings	demonstrate	
	of the concept	documented	used and/or	and/or poor	proper	
		explanations	the	practices	understanding.	
		could use	documentation			
		clearer	suggests			
Functions	20 pts	<b>୩୫</b> ବୃତ୍ୟ <b>୍ର</b> btions	incoppediete	5 pts	0 pts	
	Proficient	<b>5</b> @fficient	<b>Coola patendi</b> ng	Novice	None	
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	and	full Is fairly	appropriate	appropriate use,	appropriate	
	documentation	understanding	but there is	but the examples	use, or the	
	show clear	with best	room for	suggest some	examples do	20 pts
	and evident	practices but	improving how	major	not	
	understanding	the	the concept is	misunderstandings	demonstrate	
	of the concept	documented	used and/or	and/or poor	proper	
		explanations	the	practices	understanding.	
		could use	documentation			
		clearer	suggests			
		descriptions	incomplete		Total Poi	nts: 100
		that	understanding			
		demonstrate	of the topic			
		full				

understanding