ENGR142 Grade Report: C 2 PA

Name	Kathryn Atherton	**Total Points Earned**	14.5
Team	45	**Total Points Possible**	20
Grader	Peter Jones	**Percentage Earned**	73%

Grading System Message(s)	Individual Assignment Grade

Task 1

Does program:	Pass	Part.	Fail
Have correct filename?	0	NA	-0.5
Have no code standard issues:	0	-0.5	-1
Include header file UnitConversion_login.h?	2	NA	0
Call all functions in header file (4 functions)?	1	0.5	0
Subtotal	**3**	**of**	**3**

Test Case 1: Conversions given in PA

Input	Output	Pass	Part.	Fail
35.8	96.44	1	NA	0
15	49.21			
2.1	0.85			
701	14265.34			

Test Case 2: Additional conversions

Input	Output	Pass	Part.	Fail
50.2	122.36	1	NA	0
150	492.13			
2.15	0.87			
71	140845.08			
	Subtotal	**2**	**of**	**2**

Task 2

Does Flow Chart:	Pass	Part.	Fail
Correctly use standard shapes and appropriate scope (general vs. explicit)?	1	0.5	0
Clearly define logic of overall problem?	1	0.5	0
Contain logic for each user defined function (Rayleigh and Nusselt number and heat transfer coefficient)?	1	0.5	0
Clearly indicate input/output for each function (flow diagram only)?	1	NA	0
Provide language independent logic to be followed in order to obtain desired result including explicit representation of repetition structures and conditional structures (if needed)?	1	NA	0
Subtotal	**0**	**of**	**5**

Does Program:	Pass	Part.	Fail
Have correct filename?	0	NA	-0.5
Have no code standard issues?	0	-0.5	-1
Contain ALL function prototypes before function definitions?	1	0.5	0
Include header file UnitConversion_login.h	2	NA	0
Include function prototypes for user defined function (Rayleigh, Nusselt number and heat transfer coefficient)?	2	1	0
Perform unit conversions as well as numbers described previously using functions (not written as part of main program)?	2	1	0
Obtain/give all input/output in main program, not inside a function	2	1	0
Subtotal	**8.5**	**of**	**9**

Test Case 1

Input	Output	Pass	Part.	Fail
Temp of House = 75 Temp of Env = 280 Height = 15 Length = 15	*Rayleigh's No = 27569096704.00 *Nusselt = 240.41 *Heat Transfer Coeff = 13.15 Heat Loss = 4.44 BTU/sec *Optional output, only Heat Loss is actually required to be outputted.	1	0.5	0
	Subtotal	**1**	**of**	**1**

Total	**14.5 of 20**

Grader Comments
No flowchart was included