



## COMP.5202 Fundamentals of Programming & Problem Solving

---

Semester 2, 2017

---

<b>COMP.5202 TEST #1</b>
(This test contributes 30% to your final mark)
Student Name:
Student ID:
Total Mark:

## Task 1 (45 Marks)

Criteria	Marks Allocated	Marks Awarded
<b>Flow Diagram and Program Submission</b>	Total 15	
Correct program flow	4	
Correct if statment and no loop	4	
Correct shapes used	4	
Entire project uploaded and use of <code>.gitignore</code> file	3	
<b>C# Program</b>	Total 15	
Program has 1 variable (at least) declared	1	
<code>Console.WriteLine("")</code> to display intro message	1	
Retrieves input (correctly) as input from user, and stored in variable	1	
Give user a choice to select C or F, includes if statement	2	
Calculates Fahrenheit, using correct formula	2	
Calculates Celsius, using correct formula	2	
Displays Answer to screen	2	
<code>Console.ReadKey()</code>	1	
Comments have been added to code (includes program brief and name of developer)	1	
Program runs without errors and clear screen	2	
<b>Javascript Program</b>	Total 15	
Program has 1 variable (at least) declared	1	

Use Prompt to give user a choice to select C or F, includes if statement	1	
Use Prompt to ask the question, store the answer into a variable	2	
Calculates Fahrenheit, using correct formula	2	
Calculates Celsius, using correct formula	2	
Displays Answer to alert box	2	
Use correct ES6 syntax	2	
Make use of console.log to check output	1	
Comments have been added to code (includes program brief and name of developer)	1	
Program runs without errors	1	

## Task 2 (55 Marks)

Criteria	Marks Allocated	Marks Awarded
<b>Flow Diagram</b>	Total 15	
Correct program flow	10	
Correct shapes used	3	
Entire project uploaded	2	
<b>C# Program</b>	Total 20	
Program has 3 variables (at least) declared		
A double variable; to store Number	2	
A double variable; to store Total	2	
A double variable; to store Average	2	
Console.WriteLine("") to display intro message	2	
Use of FOR loop, loops the following 10 times:	2	
Console.WriteLine("") asking for input, displays counter i.e. "Enter number {0}", i Retrieves number (correctly) as input from user, and adds number to total	4	
Calculates Average, using correct formula	2	
Displays Average	2	
Console. ReadKey ()	2	
<b>Javascript Program</b>	Total 20	

Program has 3 variables (at least) declared		
A double variable; to store Number	2	
A double variable; to store Total	2	
A double variable; to store Average	2	
Use alert to inform the user what the program is about	2	
Use of FOR loop, loops the following 10 times:	2	
Prompt asking for input, displays counter i.e. "Enter number {0}", i Retrieves number (correctly) as input from user, and adds number to total	4	
Calculates Average, using correct formula	2	
Displays Average	2	
Use correct ES6 syntax	2	