

## EXERCISE 03 - BEDMAS, INTEGER VARIABLES, &amp; COMMENTS

**IMPORTANT:** Before submission, make a copy of your **'Program.cs'** file for each question and then rename each file to the following:

## File Names:

- *last name\_first name\_U1\_E03\_1.cs*
- *last name\_first name\_U1\_E03\_2.cs*
- *last name\_first name\_U1\_E03\_3.cs*
- *last name\_first name\_U1\_E03\_4.cs*

**Note:** Along with last name and first name, make sure the end of the filename (i.e., before the .cs) has the **unit number**, **exercise number**, and **question number**. For example:

smith\_john\_U1\_E03\_2.cs

- Use **BEDMAS** to implement the following mathematical expressions and output to the **console** (submit only **one file** for this question):
  - Multiply 5 by 3 then divide by 2
  - Add 6 plus 5 then multiply the **result** by 3
  - Add 6 to 4 and divide the **result** by 2 plus 3
  - Multiply 6 by the **result** of 6 plus 7 and divide **everything** by 3
- Store each mathematical expression above into an **integer variable** then **output** each **integer variable** to the **console** (submit only **one file** for this question).
- Implement the following equations with **BEDMAS** (submit only **one file** for this question):
  - Variable 'a' equals 7 multiplied by 3 plus 2, all multiplied by 6 (output 'a' to the terminal)
  - Variable 'b' equals the division of 6 by 2, all multiplied by 7 (output 'b' to the console)
  - $r = 2$   
 $s = 10$  divided by 'r' (output 's' to the console)
  - $f = 4$   
 $g = 7$   
 $h = 'f'$  multiplied by 'g' plus 8, all divided by 2 (output 'h' to the console)
- Create **3 integer variables: year, month & day**. Make **'year'** equal to 2021, **'month'** equal to 1 and **'day'** equal to 10. Output these variables to the console so that the result looks like the following:

2021/01/20

**Note #1:** Your **Console.WriteLine()** statement should contain the **integer variables**. **Do not** just output the string "2021/01/20".

**Note #2:** Try to output everything using **only one Console.WriteLine()** statement.

**Note #3:** Ensure that the month outputs as '01' instead of just '1' (**Hint:** The **'0'** can be outputted as a **string literal**).

**Note #4:** Put a **comment** at the top of your code describing what your program does.