**Git HUB Link:** <https://github.com/AshikaDewasurendra/Ashika-Dewasurendra---PROG5001---A1>

**Pseudo codes for Algorithm 1 and Algorithm 2**

Pseudo code to find the highest mark

1. Start of function checkHighestMark
   1. Initialize the highest mark to the first component of the array.
   2. Loop through the current Marks length.
      1. If the Current Mark is greater than the highest Mark

1.2.1.1 Highest Mark equal to the Current Mark

1.2.2 End of If

* 1. End of Loop
  2. Return Highest Mark
  3. End of function checkHighestMark

Pseudo code to find the lowest mark

1. Start of function checkLowestMark
   1. Initialize the lowest mark to the first component of the array.
   2. Loop through the current Marks length.
      1. If the Current Mark is lower than the lowest Mark

1.2.1.1 Lowest Mark equal to the Current Mark

1.2.2 End of If

* 1. End of Loop
  2. Return Lowest Mark
  3. End of function checkLowestMark

Pseudo code to find the Mean

1. Start of function checkMean
   1. Initialize total = 0
   2. Loop through the current Marks array
      1. Calculate the total by adding current Marks
   3. End of Loop
   4. Let Mean = (total)/ (Length of current Mark)
   5. Return Mean
   6. End of function checkMean

Pseudo code to find the Standard Deviation

1. Start of function checkStandardDeviation
   1. Initialize standard deviation = 0
   2. Loop through the current Marks array
      1. Let total variance = (Current Mark -Mean) \*(Current Mark – Mean)
   3. End Loop
   4. Calculate standard deviation = Square root of (SIGMA current marks/ length of current marks)
   5. Return Standard Deviation
   6. End of Function checkStandardDeviation