**Control – Document**

**Psuedocode**

*Choice 1*

Grades ()

{

Displays message to user “Please enter student’s mark as a percentage.”

Scans for user input

Checks if mark is greater than 69 and less than or equal to 100

{

Displays message to user “A”

}

Checks if mark is greater than 59 and less than or equal to 69

{

Displays message to user “B”

}

Checks if mark is greater than 49 and less than or equal to 59

{

Displays message to user “C”

}

Checks if mark is greater than 39 and less than or equal to 49

{

Displays message to user “D”

}

Checks if mark is less than 40 and greater than or equal to 0

{

Displays message to user “E”

}

If mark not within the parameters above then

{

Displays message to user “An invalid mark was given”

}

*Choice 3*

numberComparison ()

{

Initialises required variables

Initialises a do - while loop

Displays a message to user “Please enter a number”

Scans for input

Checks if number is -1 and exits loop if true

Calculates total and average

Checks if the user input is less than the minimum

If true assigns a maximum

Checks if the user input is greater than the maximum

If true assigns a maximum

When loop is exited vales are printed

}

**Critical Self Evaluation**

I feel I got on okay at this assignment I learnt how to use different types of loops as well as how to layout a content into a table. I managed to complete all the tasks I had difficulties understanding how to get the table and calculations working correctly but after researching on the internet I was eventually able to get it working fully. I was most pleased with the fact I was able to solve my problems with choice two.

**Answer to 2.5**

The method would require me to remove “static”. When calling the method a variable type “Choice” would need to be initialised with a constructor so that the choice 3 method could be called using this variable.