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| **#** | **Test Case** | **Expected result** | **Actual Result** |
|  | **Program: Exercise1** |  |  |
| **1** | **General Test Case** |  |  |
|  | Program compiles and runs | No compilation errors and when program runs you get the following statement: “*Mary is 20 years old. She weighs 65.48 kilograms. Her favourite colour is red.*” divided in 3 lines. | As exepected |

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| **#** | **Test Case** | **Expected result** | **Actual Result** |
|  | **Program: Exercise2** |  |  |
| **1** | **General Test Case** |  |  |
|  | Program compiles and runs | No compilation errors and when program runs you get the first prompt to enter the first number | As exepected |
|  | Prompt to enter first number | Get a prompt on the screen, enter a number and hit the enter/return button, then see the second prompt to enter the second number | As exepected |
|  | Prompt to enter second number | Get a prompt on the screen, enter a number and hit the enter/return button, then an output | As exepected |
|  | Output | See an output with arithmetic results | As exepected |
|  |  |  |  |
| **2** | **Specific Test Case** |  |  |
|  | Enter value of 8 as first number and a value of 4 for second number | Get an output as follows:  8 + 4 = 12  8 – 4 = 4  8 \* 4 = 32 | As expected |

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| **#** | **Test Case** | **Expected result** | **Actual Result** |
|  | **Program: Exercise3** |  |  |
| **1** | **General Test Case** |  |  |
|  | Program compiles and runs | No compilation errors and when program runs you get the prompt to enter the number. | As exepected |
|  | Prompt to enter first number | Get a prompt on the screen, enter a number and hit the enter/return button, then see the specific statement. | As exepected |
|  | Checks the number entered | Program checks if number entered is greater than my age, less than my age or equal to my age: | As exepected |
|  | Output | Depending on entered number you see different statement. | As exepected |
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| **2** | **Specific Test Case** |  |  |
|  | Enter value of 18. | Get the following statement:  “This number is less than my age.” | As expected |

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| **#** | **Test Case** | **Expected result** | **Actual Result** |
|  | **Program: Exercise3** |  |  |
| **1** | **General Test Case** |  |  |
|  | Program compiles and runs | No compilation errors and when program runs you get the prompt to enter the number. | As exepected |
|  | Prompt to enter first number | Get a prompt on the screen, enter a number and hit the enter/return button, then see the specific statement. | As exepected |
|  | Checks the number entered | Program checks if number entered is greater than my age, less than my age or equal to my age: | As exepected |
|  | Output | Depending on entered number you see different statement. | As exepected |
|  |  |  |  |
| **2** | **Specific Test Case** |  |  |
|  | Enter value of 18. | Get the following statement:  “This number is less than my age.” | As expected |

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| **Test Case** | **Expected result** | **Actual Result** |
| **Program: Exercise4** |  |  |
| **General Test Case** |  |  |
| Program compiles and runs | No compilation errors and when program runs you get the prompt to enter the number | As exepected |
| Prompt to enter the number | Get a prompt on the screen to enter a number | As exepected |
| Program checks the entered number | Number must be less than 10 and greater than 0. If the number is less than 0 or greater than 10, then program prints a message to the screen indicating that the number entered must be any number from 1 to 10 and prompt the user to try again. | As exepected |
| Output | Program prints out my name as many times as the valid number entered. | As exepected |
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| **Specific Test Case** |  |  |
| Enter value of 4 | Get an output as follows:  1.Dawid  2. Dawid  3. Dawid  4. Dawid | As expected |

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| **Test Case** | **Expected result** | **Actual Result** |
| **Program: Exercise5** |  |  |
| **General Test Case** |  |  |
| Program compiles and runs | No compilation errors when program runs. | As exepected |
| Program uses loop | Program calculates the sum total, product and average value of the values contained in the array | As exepected |
| Output | Sum total, product and average value of the values (20, 30, 40, 50) are printed to the screen. | As exepected |

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| **Test Case** | **Expected result** | **Actual Result** |
| **Program: Exercise6** |  |  |
| **General Test Case** |  |  |
| Program compiles and runs | No compilation errors and when program runs you get the prompt to enter a symbol (e.g. +, & \*, or any character including letters and numbers). | As exepected |
| Prompt to enter number of rows | Get a prompt on the screen, enter a number of rows and hit the enter/return button, then see the second prompt to enter the number of columns | As exepected |
| Prompt to enter number of columns | Get a prompt on the screen, enter a number of columns and hit the enter/return button, then an output | As exepected |
| Output | Program prints to the screen a number of rows and columns entered by the user using the symbol entered by the user. | As exepected |
|  |  |  |
| **Specific Test Case** |  |  |
| Enter a symbol of #, 4 as number of rows and 4 as number of columns | Get an output as follows:  ####  ####  ####  #### | As expected |

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| **Test Case** | **Expected result** | **Actual Result** |
| **Program: Exercise7** |  |  |
| **General Test Case** |  |  |
| Program compiles and runs | No compilation errors when program runs. | As exepected |
| First output | Program prints out first and last array | As exepected |
| Second output | Program prints out all numbers in array | Not as exepected |

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| **Test Case** | **Expected result** | **Actual Result** |
| **Program: Exercise8** |  |  |
| **General Test Case** |  |  |
| Program compiles and runs | No compilation errors and when program runs you get the prompt to enter the number of exercise. | As exepected |
| Prompt to enter number of exercise | Get a prompt on the screen, enter a number of exercise and hit the enter/return button to see chosen exercise. | As exepected |
| Output | Program runs chosen exercise from 1 to 6 | As exepected |
|  |  |  |
| **Specific Test Case** |  |  |
| Enter number 4 | Get an output as follows:  The program from exercise 4 is run. When exercise 4 is completed running, user can choose another exercise to run. | Not as expected. User don’t have the option to choose another exercise when previous is completed running. |