Final Project Test Report

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This test report will assess whether this program can successfully output the BMI of six individuals and place them in the correct BMI category of underweight, normal, overweight, and obese. Then, the program must display how many individuals are in each category.

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| **Test Case 1** | **Input** | **Expected Output** | **Actual Output** | **Result** |
|  | Alex  Jim  Jo  Bill  Roy  Mike | Alex  Jim  Jo  Bill  Roy  Mike | Alex  Jim  Jo  Bill  Roy  Mike | Pass |
|  | Alex  Height(in): 72  Weight(lbs.): 175 | Alex  Height(in): 72  Weight(lbs.): 175  BMI: Normal, 23.7 | Alex  Height(in): 72  Weight(lbs.): 175  BMI: Normal, 23.7 |  |
|  | Jim  Height(in): 74  Weight(lbs.): 260 | Jim  Height(in): 74  Weight(lbs.): 260  BMI: Obese, 33.3 | Jim  Height(in): 74  Weight(lbs.): 260  BMI: Obese, 33.37 |  |
|  | Jo  Height(in): 75  Weight(lbs.): 170 | Jo  Height(in): 75  Weight(lbs.): 170  BMI: Normal, 21.2 | Jo  Height(in): 75  Weight(lbs.): 170  BMI: Normal, 21.2 |  |
|  | Bill  Height(in): 67  Weight(lbs.): 115 | Bill  Height(in): 67  Weight(lbs.): 115  BMI: Underweight, 18 | Bill  Height(in): 67  Weight(lbs.): 115  BMI: Underweight, 18 |  |
|  | Roy  Height(in): 72  Weight(lbs.): 195 | Roy  Height(in): 72  Weight(lbs.): 195  BMI: Overweight, 26.4 | Roy  Height(in): 72  Weight(lbs.): 195  BMI: Overweight, 26.4 |  |
|  | Mike  Height(in): 73  Weight(lbs.): 212 | Mike  Height(in): 73  Weight(lbs.): 212  BMI: Overweight, 27.9  Underweight individuals: 1  Normal individuals: 2  Overweight individuals: 2  Obese individuals: 1 | Mike  Height(in): 73  Weight(lbs.): 212  BMI: Overweight, 27.9  Underweight individuals: 1  Normal individuals: 2  Overweight individuals: 2  Obese individuals: 1 |  |

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| **Test Case 2** | **Input** | **Expected Output** | **Actual Output** | **Result** |
|  | Jill  Amanda  Jeff  Patrick  Steve  Tyler | Jill  Amanda  Jeff  Patrick  Steve  Tyler | Jill  Amanda  Jeff  Patrick  Steve  Tyler | Pass |
|  | Jill  Height(in): 60  Weight(lbs.): 130 | Jill  Height(in): 60  Weight(lbs.): 130  BMI: Overweight, 25.3 | Jill  Height(in): 60  Weight(lbs.): 130  BMI: Overweight, 25.3 |  |
|  | Amanda  Height(in): 65  Weight(lbs.): 150 | Amanda  Height(in): 65  Weight(lbs.): 150  BMI: Normal, 24.9 | Amanda  Height(in): 65  Weight(lbs.): 150  BMI: Normal, 24.9 |  |
|  | Jeff  Height(in): 78  Weight(lbs.): 205 | Jeff  Height(in): 78  Weight(lbs.): 205  BMI: Normal, 23.6 | Jeff  Height(in): 78  Weight(lbs.): 205  BMI: Normal, 23.6 |  |
|  | Patrick  Height(in): 76  Weight(lbs.): 210 | Patrick  Height(in): 76  Weight(lbs.): 210  BMI: Overweight, 25.5 | Patrick  Height(in): 76  Weight(lbs.): 210  BMI: Overweight, 25.5 |  |
|  | Steve  Height(in): 70  Weight(lbs.): 165 | Steve  Height(in): 70  Weight(lbs.): 165  BMI: Normal, 23.6 | Steve  Height(in): 70  Weight(lbs.): 165  BMI: Normal, 23.6 |  |
|  | Tyler  Height(in): 80  Weight(lbs.): 215 | Tyler  Height(in): 80  Weight(lbs.): 215  BMI: Normal, 23.6  Underweight individuals: 0  Normal individuals: 4  Overweight individuals: 2  Obese individuals: 0 | Tyler  Height(in): 80  Weight(lbs.): 215  BMI: Normal, 23.6  Underweight individuals: 0  Normal individuals: 4  Overweight individuals: 2  Obese individuals: 0 |  |

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