Programming Exercise 2

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| Criteria | % Value | 1: Unsatisfactory | 2: Less Than Satisfactory | 3: Satisfactory | 4: Good | 5: Excellent |
| **% Scaling** |  | 0% | 65% | 75% | 85% | 100% |
| **Content – 100%** | | | | | | |
| Extract input from the keyboard using a Scanner object. | 15% | User input prompts are missing and\/or no extraction of input is attempted. | Prompts are present, but unclear in intention, for any reason. Scanner object is created but not utilized. | User input prompts are present and contain only minor formatting or spelling issues. Scanner is used to extract input successfully. | Do not use | User input prompts are present and well stated. Input is correctly extracted from the keyboard. |
| Utilize the appropriate primitive variable types for a specific problem. | 10% | Appropriate primitive types are not used in either problem | Do not use | Appropriate primitive types used in some cases | Do not use | Consistent use of appropriate primitive types for both problems. |
| Perform arithmetic in a Java program. | 40% | Computations are missing in both programs. | Digits are calculated incorrectly, or are calculated using operations other than / and %. Temperature conversions are attempted but incorrect. | Both programs attempt their calculations and one program calculates values correctly. | Individual digits are correctly calculated using only / and %, with only minor errors. Both temperature conversions are correct. | Individual digits are correctly calculated using only / and %, Both temperature conversions are correct |
| Output data to the console. | 15% | Output is missing or not attempted. | Output is present but does not meet specification. Output results are literal values (as opposed to calculated results). | Output is present but does not meet specification. May contain formatting or spelling errors, or may not contain appropriate text describing the result displayed. | Output closely matches specification. Output results are calculated results (calculation may be incorrect). | Output matches specification exactly. Output results are calculated results (calculation may be incorrect). |
| Explanation of work (video) | 20% | Missing | Poor - explanation is difficult to follow and it is unclear that the student understands their work. | Average - explanation is adequate. Some important details may be overlooked. Student exhibits a moderate understanding of their work. | Good - good pace and volume. Student clearly explains work, but may gloss over some details, while spending excess time on irrelevant parts of the program. | Excellent - explanation is concise and precise and it is obvious that the student understands all aspects of the submitted program. |