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| Test Case   |  | | --- | | 1. The customer name must be a String. | | 2. Weather or not the rentingHeater is set to a value of true or false | | 3. The number of months must be set to an integer greater than zero and less than 4. | | 4. Amount of water used must be a double. Formatted to output volume rounded to output a gallon value rounded to 2 decimal places. | | 5. Calculate sanitation charge should multiply the number of months by the cost per month and output a double. It should all be rounded and formatted to output money. | | 6. Water charge has to correctly identify which case it’s using, run the equation in that case and properly output a double. It should all be rounded and formatted to output money. | | 7. Calculate waterHeaterCharge should multiply the number of months by the cost of renting the heater and properly output a double. It should all be rounded and formatted to output money. | | 8 Total Fee needs to be a double that is the addition of all costs and should be rounded and formatted to be money. | | Before execution   |  |  | | --- | --- | | What should happen | What does happens | | Ex. philip Dumaresq |  | | Y == true  N == false  Else == error |  | | numberOfMonths <= 3  numberOfMonths  >= 1 |  | | Ex. waterUsed = 2000.254578. |  | | sanitationCharge = numberOfMonths \* 7.50 |  | | waterCharge = waterUsed \* 0.03  waterCharge = waterUsed – (1000 \* .02) + 30  waterCharge = (waterUsed- 2000) \* .015) + 50 |  | | waterHeaterCharge = numberOfmonths \* 12.75 |  | | TotalFee = sanitationCharge + waterCharge + waterHeaterCharge |  | | After execution   |  |  | | --- | --- | | What should happen | What does happen | | Philip Dumaresq |  | | True  False  Error |  | | NumberOfMonths = 1, 2 or 3 |  | | waterUsed = 2000.25 Gal. |  | | Ex. sanitationCharge = 2 \* 7.50  sanitationCharge = 14.00$. |  | | Ex. waterCharge = 500 \* 0.03 = 15.00$  waterCharge = (1500-1000) \* 0.02 + 30 = 40.00$  waterCharge = (2500-1000) \* 0.015 + 50 = 57.50$ |  | | Ex. waterHeater = 1 \* 12.75 = 12.75$  waterHeaterCharge = 2 \* 12.75 = 25.50$  waterHeaterCharge = 3 \* 12.75 = 38.25$ |  | | Ex. totalFee = 14.00 + 15.00 + 12.75 = 41.75$ |  | |