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| --- | --- | --- |
| Input | Process | Output |
| * Number of packages purchased * Price of each package | * Calculate price of purchase * Calculate the correct amount of discount based on quantity (q) * If q <= 10 then calculate amount for 0% discount   + Else, if 10 <= q >= 49 then calculate amount for 10% discount     - Else, if 50 <= q >= 99 then calculate amount for 20% discount       * Else, if 100 <= q >= 149 then calculate amount for 30% discount         + Else, if q>=150 then calculate amount for 40% discount * Round discount amount to two decimal places * Calculate price with discount * Display the total discount amount for the user * Display the total amount with discount applied | * Discount amount * Total amount/price with discount applied |