|  |  |  |
| --- | --- | --- |
| Input | Process | Outputs |
| Quantity | |  | | --- | |  |   Define a function to calculate the discount amount and discounted price | Discount Amount |
| Price | Pass quantity, price, and discount rate as inputs to the function | Discounted price |
| Discount rate | Discount amount= price \* quantity\* discount rate/100 | Display quantity and price |
|  |  |  |
|  |  |  |

#2

|  |  |  |
| --- | --- | --- |
| Input | Process | Outputs |
| Students last name | Define a function to calculate total points and average score | Total points |
| Exam score 1 | Pass the 3 exam scores to the function | Average exam score |
| Exam score 2 | Compute the total points: total points= score1 + score2+ score3 | Display last name |
| Exam score 3 | Compute the average:  Average= total points/3 |  |
|  |  |  |

#3

|  |  |  |
| --- | --- | --- |
| Input | Process | Outputs |
| Salespersons Last Name | Define a function to calculate commission and next year’s target | Comission |
| Sales | Compute the commission:  Sales>$100,000:  Commission = sales \* 0.1  Else commission: sales \* 0.05 | Next year’s target |
|  |  | Display salespersons name |
|  |  |  |

#4

|  |  |  |
| --- | --- | --- |
| Input | Process | Output |
| Bowlers Last Name |  | Display bowlers last name |
| Game Score 1 |  | Average score with handicap |
| Game Score 2 | Compute average score: average= score1 + score2 + score/3 | Average score |
| Game Score 3 |  |  |
| Handicap |  |  |

#5

|  |  |  |
| --- | --- | --- |
| Input | Process | Output |
| Quantity | Total: Total= quantity \* unit price | Total |
| Unit Price | Tax: Tax= Total \* 0.07 | Tax |
|  |  |  |
|  |  |  |
|  |  |  |