**PYTHON PROGRAMMING ACTIVITY #2:**

**INPUT:**

1. Area (in square meters)

28.5 sqm to below 52.0 sqm Studio Type P65, 892.00 per sqm 52.0 sqm to below 86.5 sqm 2 Bedroom P58, 807.00 per sqm 86.5 sqm and above 3 Bedroom P53, 380.00 per sqm *\*sqm = square meter*

2. Down payment (in Pesos)

Discount is given if down payment is

Below 20% No Discount

20% - below 30% 3% discount

30% - below 40% 4% discount

40% and above 5% discount

3. Years to pay(in number of years)

5 Years 4% Interest

10 Years 6% Interest

15 Years 8% Interest

20 Years 10% Interest

**OUTPUT:**

Unit Type, Price per Square Meter and Total Unit Price

Down Payment in Percentage, Discount and Discount Amount

Interest, Interest Amount, Contract Price, Monthly Amortization

**Sample 1 Sample 2**

| Input | **Area (in square meters)** | **29** | **55.00** |
| --- | --- | --- | --- |
| Output | Unit Type | Studio Type | 2 Bedroom |
| Output | Price per Square Meter | 65,892.00 | 58,807.00 |
| Output | Total Unit Price | 1,910,868.00 | 3,234,385.00 |
|  |  |  |  |
| Input | **Downpayment Amount** | **382,173.60** | **1,300,000.00** |
| Output | Downpayment in Percentage | 20% | 40.19% |
| Output | Balance | 1,528,694.40 | 1,934,385.00 |
| Output | Discount | 3% | 5% |
| Output | Less: Discount Amount | 45,860.83 | 96,719.25 |
|  |  |  |  |
| Input | **Years to Pay** | **10** | **15** |
| Output | Interest  (applied to Balance Less Discount) | 6% | 8% |
| Output | Interest Amount | 88,970.01 | 147,013.26 |
| Output | Contract Price | 1,571,803.58 | 1,984,679.01 |
| Output | Monthly Amortization | 13,098.36 | 11,025.99 |