

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
	Interest		
Output	(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