

IS113 Web Application Development I

Week 9 In-Class notes

[G10]

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Part II – Classes & Objects

webroot



Create a Class

House.php House **Class Name** \$type \$no of bedroom **Properties** \$size \$location \$price + getType() + getBedroom() **Methods** + getSize() + getLocation() + setPrice() + PaymentPerMonth(\$no of years) https://www.freepik.com/free-vector/set-houses-with-trees-flat-+ CostPerSqFeet() style 12872841.htm#page=1&query=house&position=5

Information Systems



Create an instance of the Class – hardcode data

display_1a.php

1. Create an instance of the class House with the following values

• Type : HDB

No of Bedroom: 4

• Size: 1010 sq feet

Location : Montreal Drive

2. Set the Price

Set the price to \$360150

3. Display the following:

House 1: Type: HDB Size: 1010

Location: Montreal Drive

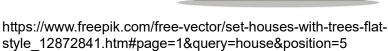
Price:

After set price ... Price: \$360150

Payment Per Month over 20 years: \$1500.625

Price per sq feet \$356.5842







Create an instance of the Class – using data from Array

display 1b.php

1. Create an instance of the class House with the values from the array.

2. Set the Prices

Set the price to \$360150

3. Display the following:

House 1: Type: HDB Size: 1010

Location: Montreal Drive

Price:

After set price ... Price: \$360150

Payment Per Month over 20 years: \$1500.625

Price per sq feet \$356.5842





Create an instance of the Class – using data from Associative Array

display 1b.php

1. Create an instance of the class House with the values from the associative array.

```
$data = [
    "type" => "HDB",
    "no_of_bedroom" => 4,
    "size" => "1010",
    "location" => "Montreal Drive"];
```

2. Set the Price to \$360150

3. Display the following:

House 1:

Type: HDB Size: 1010

Location: Montreal Drive

Price:

After set price ... Price: \$360150

Payment Per Month over 20 years: \$1500.625

Price per sq feet \$356.5842





Create an instance of the Class – using data from an Array

display 2a.php

1. Create an indexed array of House Objects.

Data provided from an array

```
$new_houses =
[["HDB", 4, "1010", "Montreal Drive"],
  ["HDB", 3, "870", "King George Avenue"],
  ["CONDO", 2, "590", "East Coast"],
  ["CONDO", 5, "1400", "Yishun Park"],
  ["LANDED", 4, "2000", "University Road"]];
```

2. Set the Prices

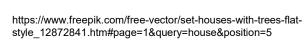
\$450000, \$650000, \$1250000, \$800700, \$20005000

3. Display the following:

Туре	Bedroom	Size	Location	Price	Cost Sq Feet
HDB	1010	4	1010	0	0.00
HDB	870	3	870	0	0.00
CONDO	590	2	590	0	0.00
CONDO	1400	5	1400	0	0.00
LANDED	2000	4	2000	0	0.00

Туре	Bedroom	Size	Location	Price	Cost Sq Feet
HDB	1010	4	1010	450,000	112,500.00
HDB	870	3	870	650,000	216,666.67
CONDO	590	2	590	1,250,000	625,000.00
CONDO	1400	5	1400	800,700	160,140.00
LANDED	2000	4	2000	20,005,000	5,001,250.00







Create an instance of the Class – using data from an Array

display 2b.php

1. Create an indexed array of House Objects.

Data provided from an associative array

```
new houses = [
    "01" => ["HDB", 4, "1010", "Montreal Drive"],
    "02" => ["HDB", 3, "870", "King George Avenue"],
     "03" => ["CONDO", 2, "590", "East Coast"],
     "04" = ["CONDO", 5, "1400", "Yishun Park"],
     "05" => ["LANDED", 4, "2000", "University Road"]];
```

2. Set the Prices

\$450000, \$650000, \$1250000, \$800700, \$20005000

3. Display the following:

Туре	Bedroom	Size	Location	Price	Cost Sq Feet
HDB	1010	4	1010	0	0.00
HDB	870	3	870	0	0.00
CONDO	590	2	590	0	0.00
CONDO	1400	5	1400	0	0.00
LANDED	2000	4	2000	0	0.00

Туре	Bedroom	Size	Location	Price	Cost Sq Feet
HDB	1010	4	1010	450,000	112,500.00
HDB	870	3	870	650,000	216,666.67
CONDO	590	2	590	1,250,000	625,000.00
CONDO	1400	5	1400	800,700	160,140.00
LANDED	2000	4	2000	20,005,000	5,001,250.00



