

# Product Purchase Activity

## Instructions:

Create a simple purchase calculation using JavaScript, and basic programming logic.

## Tasks:

- Create a JavaScript file **purchased.js** link it to your HTML document.
- Inside the your JavaScript file, define a function named **computeTotal()** to validate user inputs.
- Retrieve values from the HTML input fields using *document.getElementById()*, use the given value of each id attributes, don't change it.
- Validate the input:
  - If your total purchase/amount reaches certain amount, discounts will be applied automatically:
    - **5,000** pesos and **above**: 2% discount
    - **10,000** pesos and **above**: 3% discount
    - **20,000** pesos and **above**: 5% discount
- Review the total amount, applied discount, and final price.

Use this formula to get the **percentage** of a **number**:

*percentage = (percent/100) \* amount*

*ex. percentage = (5/100) \* 200; //This will get the 5% of 200*

*// percentage = 0.05 \* 200, which will result to percentage = 10;*

*//Now get the 5% of 200 which is 10.*

- You will need this for your computation get **2%**, **3%** and **5%** of the **Total Price** that will serve as the **discount**, so that you can compute the **Final Price** which is the result of the **Total Price – Discount**.

Expected Output:

1. If there’s no Item selected an error message should displayed **“Please select a product.”**.

Item Purchase

Computer Parts

Select a Product

▼

Please select a product.

Quantity

ex. 1

Buy Now

If there’s a product is selected yet there’s no quantity entered or the input is empty, a separate error message should display **“Pleas enter a valid quantity (1 or more).”**.

Item Purchase

Computer Parts

RAM

▼

Quantity

ex. 1

Please enter a valid quantity (1 or more).

Buy Now

# When RAM is selected

- And **quantity is 1** (PHP3,000)

## Item Purchase

Computer Parts

RAM

Quantity

1

Buy Now

Total Price: PHP 3,000

Discount: 0% (PHP 0)

Final Price: **PHP 3,000**

- If **quantity** is **2** (PHP6,000 means above 5,000), **2% discount** from the total price will be applied.

## Item Purchase

Computer Parts

RAM

Quantity

2

Buy Now

Total Price: PHP 6,000

Discount: 2% (PHP 120)

Final Price: **PHP 5,880**

- If **quantity** is **4** (PHP12,000 means above 10,000), **3% discount** from the total price will be applied.

# Item Purchase

## Computer Parts

RAM

▼

## Quantity

4

Buy Now

**Total Price:** PHP 12,000  
**Discount:** 3% (PHP 360)  
**Final Price:** PHP 11,640

- If **quantity** is **7** (PHP21,000 means above 20,000), **5% discount** from the total price will be applied.

# Item Purchase

## Computer Parts

RAM

▼

## Quantity

7

Buy Now

**Total Price:** PHP 21,000  
**Discount:** 5% (PHP 1,050)  
**Final Price:** PHP 19,950

# When Graphic Card is selected

- If **quantity is 1** (PHP5,000 means above 5,000), **2% discount** from the total price will be applied.

## Item Purchase

Computer Parts

Graphic Card

Quantity

1

Buy Now

Total Price: PHP 5,000

Discount: 2% (PHP 100)

Final Price: PHP 4,900

- **3% discount** is applied.

## Item Purchase

Computer Parts

Graphic Card

Quantity

2

Buy Now

Total Price: PHP 10,000

Discount: 3% (PHP 300)

Final Price: PHP 9,700

- **5% discount** is applied.

Item Purchase

Computer Parts

Graphic Card

Quantity

4

Buy Now

Total Price: PHP 20,000

Discount: 5% (PHP 1,000)

Final Price: PHP 19,000

When Graphic Card is selected

- If **quantity is 1** (PHP2,500 means less than 5,000), **no discount** will be applied.

Item Purchase

Computer Parts

Power Supply

Quantity

1

Buy Now

Total Price: PHP 2,500

Discount: 0% (PHP 0)

Final Price: PHP 2,500

- **2% discount** is applied.

### Item Purchase

Computer Parts

Power Supply

Quantity

2

Buy Now

Total Price: PHP 5,000

Discount: 2% (PHP 100)

Final Price: PHP 4,900

- **3% discount** is applied.

### Item Purchase

Computer Parts

Power Supply

Quantity

4

Buy Now

Total Price: PHP 10,000

Discount: 3% (PHP 300)

Final Price: PHP 9,700

- **5% discount** is applied.

## Item Purchase

Computer Parts

Power Supply

Quantity

8

Buy Now

Total Price: PHP 20,000

Discount: 5% (PHP 1,000)

Final Price: **PHP 19,000**