Product

Instruction:

- Write the class **Product** according to the following specifications

Constructor

- **constructor(name, description, price, quantity)**: To set the values of properties **name**: product name, **description**: product description, **price**: product price, and **quantity**: product quantity, based on the given values.

Properties

- **name**: Product name, type string.
- **description**: Product description, type string.
- **price**: Product price, type decimal number.
- **quantity**: Product quantity, type number.

Methods

- **getTotalPrice()**: Retrieves the total price of the product by **returning the value from price (product price) * quantity (product quantity)**. If either value is negative or zero, **return undefined**.
- **sell(quantity)**: Sells the product in the specified **quantity**, which must not exceed the **quantity** property of the product and must be a positive integer. If the conditions are not met, **return undefined**. If conditions are met, deduct from the **quantity** (product quantity) and **return an object as follows: { name: product name, quantity: product quantity }**.
- **restock(quantity)**: Adds more quantity. If **quantity** is less than or equal to 0, the method returns **undefined** to indicate an invalid operation. Otherwise, it adds **quantity** to the current **quantity** of the product and **returns the new total quantity**.
- **isInStock()**: Checks if the product is available in stock. Returns **true** if the product's **quantity** is greater than 0. Returns **false** if the product's **quantity** is 0 or less.
- **comparePrice(otherProduct)**: Compares the price of this product with another product. Returns a **positive number** if this product is more expensive, a **negative number** if it is cheaper, and **0** if the prices are the same.

Initiate code:

```
// Insert your code here

let product1 = new Product("Apple iPhone 15 pro max 1 tb", "Latest model of iPhone with advanced features", 1000, 50);
let product2 = new Product("Samsung Galaxy S24 Ultra 1 tb", "High-end Android smartphone", 800, 75);
```

```
let product3 = new Product("Sony Headphones", "Noise-cancelling over-ear headphones", 200,
150);
let product4 = new Product("Asus Gaming Laptop", "High-performance gaming laptop with latest
GPU", 2000, 30);

// Insert your code about using object product by all Methods here
```