**CODE EXPLANATION**

**Class Name:** MinimumCoins

**Input:**

* Item, Price: Used HashMap and stored item in String which is the key and Price in integer which is the value, and they are stored in ‘h’.
* Paying: The total amount the customer will be paying.

**Output:**

* The list of items.
* The total amount to be paid.
* Change to be returned.
* Minimum number of coins.

**Methods:**

* customerItems:

Parameters: h(HashMap)

Displays the items and price given by the customer.

* totalPrice:

Parameters: h(HashMap)

Calculates the total price of items.

* Denominations:

Parameters: change

Gives the minimum number of coins to be returned.

**Logic:**

* To calculate the total amount, we add all the prices.
* To calculate the change to be returned we subtract the paying from the total amount and store it in ‘change’ variable.
* To calculate the minimum number of coins we start with the highest denomination and subtract it from the ‘change’ and we continue this process till the change is zero.

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**TEST CASES**

1. **When the cost of item is negative.**

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1. **When the paying amount is negative**

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1. **When the paying amount is less than total price.**

A white screen with black text

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1. **When the number of items is negative.**

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1. **When the number of items is zero.**

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1. **When the paying value is zero.**

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