## 02. Home Renovation

class HomeRenovation {

//TODO...

}

Write a **class** **HomeRenovation**, which implements the following functionality.

**Functionality**

**Constructor**

Should have these **3** properties:

* **budget – Number**
* **tasks – Array (empty)**
* **completedTasks – Array (empty)**

**At the initialization** of the **HomeRenovation** class, the constructor accepts the budget.

**Hint:** You can add more properties to help you finish the task.

#### addTask(description, cost, priority)

The description is of type **string**, while the cost and priority are of type **number**.

* If the cost of the task exceeds the available budget, **return**:

**"Not enough budget to add '{description}' task."**

* Otherwise, this function should add the task with the properties: description, cost, and priority to the **tasks** **array**, **reduce** the budget by the task cost, and return:

**"The task '{description}' has been successfully added to the renovation plan."**

#### markTaskAsCompleted(description)

The description is of type **string**.

* If the task is not found, **throw an Error**:

**"Task '{description}' not found in the renovation plan."**

* Otherwise, this function should **remove** the task from the **tasks array**, add it to the **completedTasks** array, and **return**:

**"The task '{description}' has been successfully completed."**

#### getPriorityTasksCount (minimalPriority)

The **minimalPriority** is of type **number**.

* If the received **minimalPriority** is less than or equal to 0, **return**:

**"The priority cannot be zero or negative."**

* This function should **return** number of tasks that have a priority greater than or equal to **minimalPriority** in format:

**"You have {tasksCount} tasks to prioritize."**

* If no such tasks are found, **return**:

**"No tasks found with priority {minimalPriority} or higher."**

#### renovationSummary()

This method should **return** the complete information about the renovation:

* If no tasks have been completed, **throw an Error**:

**"No tasks have been completed yet!"**

* Otherwise, **return** budget left:

**"Budget left ${budget}."**

* On **second line**, **return** how many tasks have been completed:

**"You have completed {completedTasks.length} tasks."**

* On the **third line**:

**"Pending tasks in the renovation plan:"**

* On the **new line**, display information about each task in the tasks array:

**"{description} - Cost: {cost}, Priority: {priority}"**

### Example

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| **Input 1** |
| const renovation = new HomeRenovation(10000);  console.log(renovation.addTask("Paint walls", 1500, 2));  console.log(renovation.addTask("Install new windows", 5000, 1));  console.log(renovation.addTask("New Roof", 5000, 1)); |

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| **Output 1** |
| The task 'Paint walls' has been successfully added to the renovation plan.  The task 'Install new windows' has been successfully added to the renovation plan.  Not enough budget to add 'New Roof' task. |

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| **Input 2** |
| const renovation = new HomeRenovation(10000);  console.log(renovation.addTask("Paint walls", 1500, 2));  console.log(renovation.addTask("Install new windows", 5000, 1));  console.log(renovation.markTaskAsCompleted("Paint walls"));  console.log(renovation.markTaskAsCompleted("Change doors")); |

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| **Output 2** |
| The task 'Paint walls' has been successfully added to the renovation plan.  The task 'Install new windows' has been successfully added to the renovation plan.  The task 'Paint walls' has been successfully completed.  Error: Task 'Change doors' not found in the renovation plan. |

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| **Input 3** |
| const renovation = new HomeRenovation(10000);  console.log(renovation.addTask("Paint walls", 1500, 2));  console.log(renovation.addTask("Install new windows", 5000, 1));  console.log(renovation.markTaskAsCompleted("Paint walls"));  console.log(renovation.getPriorityTasksCount(1)); |

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| **Output 3** |
| The task 'Paint walls' has been successfully added to the renovation plan.  The task 'Install new windows' has been successfully added to the renovation plan.  The task 'Paint walls' has been successfully completed.  You have 1 tasks to prioritize. |

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| **Input 4** |
| const renovation = new HomeRenovation(10000);  console.log(renovation.addTask("Paint walls", 1500, 2));  console.log(renovation.addTask("Install new windows", 5000, 1));  console.log(renovation.markTaskAsCompleted("Paint walls"));  console.log(renovation.renovationSummary()); |

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| **Output 4** |
| The task 'Paint walls' has been successfully added to the renovation plan.  The task 'Install new windows' has been successfully added to the renovation plan.  The task 'Paint walls' has been successfully completed.  Budget left $3500.  You have completed 1 tasks.  Pending tasks in the renovation plan:  Install new windows - Cost: 5000, Priority: 1 |