As a busy professional, Jane always had a lot of tasks on her plate. She found it challenging to keep track of all the things she needed to do, so she decided to create a Task Tracker app to help her stay organized. You have been approached as her software consultant to develop app to implement the functionality to find the pending tasks and count the tasks as per the requirement.

**Component Specification: TaskManager**

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| **Type(Class)** | **Attributes** | **Responsibility** |
| **TaskManager** | private Map<String,String> taskMap | Getter and setter methods for the attribute are included in the code skeleton. |

**Note Key:***Here the taskMap, holds the Key as taskName and Value as taskStatus.*

**Component Specification: TaskManager Class**

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| --- | --- | --- | --- |
| **Requirement** | **Type (Class)** | **Methods** | **Responsibilities** |
| Insert the taskName and taskStatus into the taskMap. | **TaskManager** | public void **addTaskDetails**(String taskName,String taskStatus) | This method takes a taskName and taskStatus as parameters and adds them to the taskMap. |
| Filter the pending task | **TaskManager** | public Set<String> **findPendingTasks**() | This method has to filter the pending task and return those taksName as Set.  **Condition**: taskStatus "**pending**" is case- insensitive. |
| Count the number of taskNames based on the given taskStatus. | **TaskManager** | public int **getTasksCount**(String taskStatus) | This method takes taskStatus as a parameter, filters tasks based on the given status, and returns the count of tasks that match the specified status. If no tasks match the provided taskStatus, it returns -1.  **Condition: taskStatus is case insensitive.** |

The main method in the **UserInterface**class gets the total number of taskMap, and their details from the user. Invoke the addTaskDetails method to add the details in to the taskMap.  

Invoke the findPendingTasksmethod, which retrieves task names associated with task status that are**"Pending".**Display the results by refering to sample input and output.

Get the the taskStatus from the user and invoke the **getTasksCount**method which retrieves task's count associated with that given taskStatus. Display the results by refering to sample input and output.

**Note:**

* In the Sample Input / Output provided, the highlighted text in bold corresponds to the input given by the user, and the rest of the text represents the output.
* Ensure to follow the object-oriented specifications provided in the question description.
* Ensure to provide the names for the classes, attributes, and methods as specified in the question description.
* Adhere to the code template, if provided.
* **Don't use System.exit(0) to terminate the program.**

**Sample Input/Output - 1**

Enter the total number of tasks:

**4**

Enter your tasks (taskName:taskStatus)

**Presentation:Pending**

**Team Meeting:Completed**

**Client call:completed**

**project submission:pending**

Reminder on To do:

project submission

Presentation

Enter the status of the task to count

**completed**

completed tasks count: 2

**Sample Input/Output -2**

Enter the total number of tasks:

**3**

Enter your tasks (taskName:taskStatus)

**recruit candidate:pending**

**Allocate project:Completed**

**bill payments:completed**

Reminder on To do:

recruit candidate

Enter the status of the task to count

**Pending**

Pending tasks count: 1

**Sample Input/Output -3**

Enter the total number of tasks:

**2**

Enter your tasks (taskName:taskStatus)

**Allocate project:Completed**

**bill payments:completed**

No pending tasks found

Enter the status of the task to count

**pending**

No tasks found for the given status