**Tool Rental System using ArrayList**

Harry owns a hardware store and needs a simple to manage the rental of tools. Each tool has a unique ID, a name, and a status to indicate whether it is currently rented or not.

Harry needs a system to:

**Task:**

* Add new tools to his inventory.
* Rent tools if they are found by their ID.
* Remove tools from his inventory by their ID. Finally, track how many tools are still available for rent after each operation.

Implement a Tool RentalSystem' class using an 'ArrayList' to manage the list of tools. Each tool should be represented by a Tool class. The Tool class should have the following attributes:

* id (int): A unique identifier for the tool, starting from 201 and increasing sequentially for each new tool added.
* name (String): The name of the tool.
* rented (boolean): Status indicating whether the tool is currently rented. (default='false')

The ToolRentalSystem' class should include the following methods:

* Add Tool:

Implement the method public void addTool(String name) to add a new tool to the inventory list. The tool's ID should be assigned automatically, starting from 201 and incrementing for each new tool.

This method should take a tool name as input and create a new Tool object with a unique ID and the given name, then add it to the list of tools.

* Rent Tool:

Implement the method public void rent Tool(int id) to rent a tool by its ID.

If the tool is found, mark it as rented and print now rented.

If the tool is not found, print a message indicating that the tool with the given ID is not found.

* Remove Tool:

Implement the method public void remove Tool(int id) to remove a tool from the inventory by its ID. Search through the list to find the tool with the matching ID and remove it.

Print whether the tool was successfully removed or if it was not found.

* Track Available Tools:

Implement the method public int countNonRentedTools() to count and return the number of tools that are not rented.

This method will be used to display how many tools are still available for rent after performing the rent and remove operations.

Input Format

First line: An integer n representing the number of tools to add to the inventory.

Next n lines: Each line contains the name of a tool to be added.

The next line: An integer representing the ID of I the tool to be rented.

The last line: An integer representing the ID of the tool to be removed from the inventory.

Output Format

**Current Inventory:**

"Tools in the Inventory.".

For each tool in the inventory, print the tool details in the format:

Tool(id=<id>, name='<name>', rented=<rented>).

**Tool Rental Status:**

If the tool is rented, print: "Tool with ID <id> is rented/

If the tool is not found, print: "Tool with ID <id> not found."

**Tool Removal Status:**

If the tool is removed, print: "Tool with ID <id> I removed successfully."

If the tool is not found, print: "Tool with ID <id> not found."

**Updated Inventory:**

Print "Updated Inventory:".

For each tool in the updated inventory, print the tool details in the format:

Tool{id=<id>, name='<name>', rented=<rented>}.

**Total Non-Rented Tools:**

Print "Total non-rented tools: <number>", where <number> is the total count of tools that are not rented.

Refer to the sample output for formatting specifications.

**Sample Input 1**

3

Screwdriver

Hammer

Wrench

202

201

**Sample Output 1**

Tools in the Inventory:

Tool (id=201, name='Screwdriver', rented=false} Tool(id=202, name='Hammer', rented=false}

Tool (id=203, name='Wrench', rented=false}

Tool with ID 202 is rented.

Tool with ID 201 removed successfully.

Updated Inventory:

ค

F10

F11

Tool(id=202, name

Hammer, rented=true}

Tool(id=203, name='wrench, rented=false}

Total non-rented tools: 1

**Sample Input 2**

3

Drill

Saw I

Pliers

999

205

**Sample Output 2**

Tools in the Inventory:

Tool(id=201, name='Drill', rented=false} Tool(id-202, name='Saw', rented=false} Tool{id=203, name='Pliers', rented=false} Tool with ID 999 not found.

Tool with ID 205 not found.

Updated Inventory:

Tool{id-201, name='Drill', rented=false} Tool(id=202, name='Saw', rented=false} Tool(id=203, name='Pliers', rented=false} Total non-rented tools: 3

**Sample Input 3**

8

F10

2

Drill

Saw

201

Tool(id-202, name='Saw', rented-false) Tool (id-203, name='Pliers', rented-false) Tool with ID 999 not found.

Tool with ID 205 not found. Updated Inventory:

Toolid-201, name='Drill', rented-false) Tool (id-202, name='Saw', rented-false) Tool(id-203, name='Pliers', rented-false) Total non-rented tools: 3

Sample Input 3

2

Drill

Saw

201

201

Sample Output 3

Tools in the Inventorys

Tool(id-201, name='Drill', rented-false)

Tool(id-202, name='Saw', rented-false)

Tool with ID 201 is rented,

Tool with ID 201 removed successfully.

Updated Inventory:

Tool (id-202, name='Saw', rented=false) Total non rented tools: 1