Notification and Location

Devi Shipping Company wanted to notify the status of every Cargo's location to their end customer at every transit. They intended to send this information via SMS which is integrated with their application. They have many of such cargo's to be delivered and so many messages need to be sent. To handle this large data, the tech-team decided to automate the message sending process with multi-threading.

For every StatusCode,there is an equaivalent message to be printed, refer the following:

Status Code	**Message**
100	Arrived at destination
101	Attempted delivery
102	Awaiting unloading at consignee
103	Delayed en route to destination
104	Delivered part short
105	En route to destination
106	En route to Hawali
107	Late but no possible delay notification sent
108	Out of delivery

Given the number of notifications and location, please sms to the end users using threads.

Create a class named **NotificationManager** with the following private member variables

- Static NotificationManager instance
- Static Map<Integer,String>messages

Include appropriate getters and setters
Include default and parameterized constructor with following order **(instance,message)**

And include a method as follows:

	d Name	**d Description**
	Void sendMessage()	method,which sends the message

Create another class named **NotificationThread** that implements the Runnable interface with the following private member variables

- List<String>notification

Include the following methods in the class.,

Include default and parameterized constructor.

And also include following override method,

	d Name	**d Description**
	void run()	le the run method,call the NotificationManager.sendMessage() to send the SMS to the customer

[All text in bold corresponds to input and rest corresponds to output.]

[Note : Strictly adhere to the object oriented specifications given as a part of the problem statement. Use the same class names,attribute names and method names.]