To be written as a C# console application (no GUI required).

This script will be scheduled to run on the hour, every hour (do not code for this).

Pull the UK RSS feed from the BBC website.

http://feeds.bbci.co.uk/news/uk/rss.xml

Save news to a JSON file (into a folder named “feed”)

Only save news items which don’t already exist on any JSON files for the current day.

If no news items have changed, generate the JSON file without any item elements.

**File Name example:** 2016-01-08-01.json (YYYY-MM-DD-HH 24)

**JSON Format:**

**{**

"title"**:**"BBC News - Home"**,**

"link"**:**"http://www.bbc.co.uk/news/#sa-ns\_mchannel=rss&amp;ns\_source=PublicRSS20-sa"**,**

"description"**:**"The latest stories from the Home section of the BBC News web site."**,**

"items"**:[**

**{**

"title"**:** "Alcohol limits cut to reduce risks"**,**

"description"**:** "The first full guidelines issued on alcohol for 20..."**,**

"link"**:** "http://www.bbc.co.uk/news/uk-35255384#sa.."**,**

"pubDate"**:** "Fri, 08 Jan 2016 01:57:15 GMT"

**},**

**{**

"title"**:** "Disruption after severe flooding hits"**,**

"description"**:** "Water levels are beginning to recede in Aberdeenshire..."**,**

"link"**:** "http://www.bbc.co.uk/news/uk-scotland-35259398#sa.."**,**

"pubDate"**:** "Fri, 08 Jan 2016 13:08:57 GMT"

**}**

**]**

**}**

Please host your solution in a github repository and email link to: [scochrane@mackays.co.uk](mailto:scochrane@mackays.co.uk)

DO NOT SEND CODE ATTACHMENT BY EMAIL AS IT WILL BE BLOCKED. PLEASE SEND LINK TO CODE.