# **GRIB API: Quiz**

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### Quiz

- Q1: You have a number of grib files and you want to know the total number of messages in them. How would you do this?
- Q2: You have a grib file with several messages but you do not want the 5th one. How would you delete this unwanted message?
- Q3: You have a number of input files containing a mixture of grib1 and grib2 messages. You want to collect just the grib2 messages into a new file. How would you do this?
- Q4: For a given grib message, how would you show all the aliases for a given key?
- Q5: How would you set all the data values to the number "-35" (thereby creating a constant field)?





Q1: You have a number of grib files and you want to know the total number of messages in them. How would you do this?

```
grib count file1 file2 file3 ...
```

grib\_count counts the messages in each grib file and outputs the sum



Q2: You have a grib file with several messages but you do not want the 5th one. How would you delete this unwanted message?

```
grib_copy -w "count!=5" orig.grib temp
mv temp orig.grib
```

You can also do this with grib\_filter of course.



Q3: You have a number of input files containing a mixture of grib1 and grib2 messages. You want to collect just the grib2 messages into a new file. How would you do this?

grib\_copy -w edition=2 file1 file2 out.grib2

Or use grib\_filter:

```
if (edition == 2) {
    print "Taking message from [file]...";
    append "out.grib2";
}
```

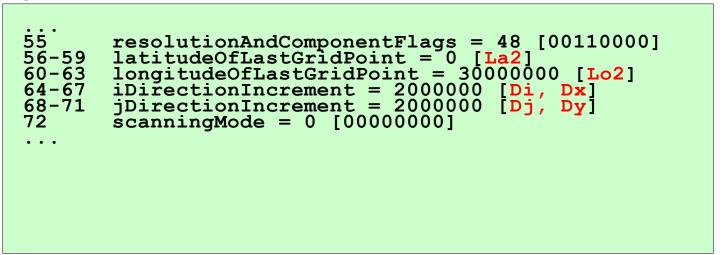




Q4: For a given grib message, how would you show all the aliases for a given key?

grib\_dump -Oa my.grib

#### **Example:**







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Q5: How would you set all the data values to the number "-35" (thereby creating a constant field)?

```
grib_set -d -35 input output
```

Voila!



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