

Input:

```
#3 types of command
data [Area] [Temperature] [Humidity] [Pressure]
attach [Area] [DisplayType]
detach [Area] [DisplayType]
```

Output:

After data command:

Display data in specific format according to all the [DisplayType]s [Area] is attached to.

#Current format:

Temperature [Temperature]

Humidity [Humidity]

Pressure [Pressure]

#Statistics format:

List out all previous data of [Area] in input order.

Temperature [T1] [T2] ... [Temperature]

Humidity [H1] [H2] ... [Humidity]

Pressure [P1] [P2] ... [Pressure]

#Forecast format:

If [Humidity] > 0.8:

Forecast rain.

Else if [Humidity] < 0.2:

Forecast sunny.

Else:

Forecast cloudy.

note1:

Display each type of display in attached order.

note2:

Round output data to one decimal place.

Comment:

[Area] is limited to “US” and “Asia” and each type will only have one instance.

[DisplayType] is limited to "Current", "Statistics" and "Forecast".

All data is guaranteed to be non-negative.

[Area] will not attach [DisplayType] already attached to it.

[Area] will not detach [DisplayType] not attached to it.

Please don't ignore the periods in output.

Please implement your main function in Class Main.

We'll test your program through "java Main inputFile"

e.g java Main sampleInput

Do not read input from System.in or hard code input file, or your program won't pass any test case.

Upload:

Please zip your source code and upload it.

The file name should be Team[teamID].zip. e.g. Team7.zip

The folder structure should be:

```
unzip Team7.zip
```

```
=> [dir] Team7
```

```
=>     Team7/Main.java
```

```
=>     Team7/*.java (optional)
```

You won't receive any point if you didn't follow the directory structure or main class name or compressed format!

#SampleInput:

attach Asia Statistics

data Asia 21.0 0.9 1014.5

data Asia 19.5 0.3 1015.0

detach Asia Statistics

data Asia 18.0 0.1 1014.5

attach Asia Statistics

data Asia 17.3 0.6 1015.0

#SampleOutput:

Temperature 21.0

Humidity 0.9

Pressure 1014.5

Temperature 21.0 19.5

Humidity 0.9 0.3

Pressure 1014.5 1015.0

Temperature 21.0 19.5 18.0 17.3

Humidity 0.9 0.3 0.1 0.6

Pressure 1014.5 1015.0 1014.5 1015.0