The CommandReader allows you to run RedisGears functions on command when you:

1. Pass the CommandReader to the `GearsBuilder.CreateGearsBuilder()` function in your Java code.
2. Call the `register()` function.
3. Run `RG.JEXECUTE` to register your code.
4. Use `RG.TRIGGER` to run your code on command:

   `RG.TRIGGER <Trigger name> [arg1 arg2 ...]`

### Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>trigger</td>
<td>string</td>
<td>The command name that triggers the registered RedisGears functions to run</td>
</tr>
</tbody>
</table>

### Output records

Outputs a record with the command trigger's name and arguments.

### Example

The following example shows how to create a custom command to update an item's stock. It also adds a timestamp to track when the last restock occurred.

Add a hash to the database that represents an inventory item:

```
redis> HSET inventory:headphones:1 color "blue" stock 5 price 30.00 (integer) 3
```

Example code:
// Create the reader that will pass data to the pipe
CommandReader reader = new CommandReader();
// Set the name of the custom command
reader.setTrigger("Restock");

// Create the data pipe builder
GearsBuilder.CreateCommandGearsBuilder(reader).map(r-> {
    // Parse the command arguments to get the key name and new stock value
    String itemKey = new String((byte[]) r[1], StandardCharsets.UTF_8);
    String newStock = new String((byte[]) r[2], StandardCharsets.UTF_8);

    // Update the item's stock and add a timestamp
    GearsBuilder.execute("HSET", itemKey, "stock", newStock,
        "last_restocked", Long.toString(System.currentTimeMillis()));

    return "OK restocked " + itemKey;
}).register();

After you register the previous code with the RG.JEXECUTE command, run RG.TRIGGER to test it:

redis> RG.TRIGGER Restock inventory:headphones:1 20
1) "OK restocked inventory:headphones:1"

The item now has the updated value for stock and a last_restocked timestamp:

redis> HGETALL inventory:headphones:1
1) "color"
2) "blue"
3) "stock"
4) "20"
5) "price"
6) "30.00"
7) "last_restocked"
8) "1643232394078"

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