

Question 1:

Perceval is a very powerful tool that allows project data collection from over 20 platforms in one tool. This allows us to get analysis data on open source development projects and repositories in a much more convenient way. So, rather than maintaining the API list of all tools and creating custom code to parse analysis data from all sources, Perceval may be used as an easier alternative. Apart from this, Perceval allows the data to be exported in an organized and flexible way. So, data maybe be exported in JSON as well. Finally, Perceval allows integration with other major analytics and data visualization tools, hence allowing a wider array of flexibility when it comes to analysis of open source development tools. Finally, it is a very flexible tool that allows incremental support of features.

Question 2:

Repository URL: <https://tickets.puppetlabs.com/projects/IMAGES>

- 2021/04/01 (Last reported bug) – 2013/05/24 (First reported bug)
- Repository age: 2869 days
- 1232 Total reported bugs

Question 3:

Number of unassigned bugs: 109

Number of assigned bugs: 43

Ratio of unassigned to assigned:

Question 4:

Sleeping bugs: 8

Total bugs: 1232

Question 5:

Total resolution time for last year: 60720 hours

Total bugs in last year: 7

Average resolution time for bugs in last year: 8674.3 hours

Code output:

Latest issue: 2021-04-01
First issue: 2013-05-24
Repository age: 2869 days

Issue count: 1232

Assigned bugs: 109
Unassigned bugs: 43

Sleeping bugs: 8

Total resolution time for last year: 60720.0 hours
Total bugs in last year: 7
Average resolution time for bugs in last year: 8674.285714285714 hours