Author: Koichi Sasada (Cookpad Inc.)

Project evaluation

This project develops "Rubex" language and a system which provides a way
to develop Ruby C extensions with Ruby-like syntax by Sameer Deshmukh.

Rubex has a language goal <https://github.com/v0dro/rubex> and this
project was a beggining of Rubex development. Sameer had listed the
following goals for this project.

* Being able to create functions callable from external Ruby code.
* Create rake tasks for easily compiling Rubex code to C code.
* Declaration and translation of primitive C types.
* Translate basic Rubystyle expressions to C code.
* Ruby-style if-elsif-else blocks.
* Creating C static arrays.
* Looping support with Rubex's own syntax for for-loops and while loops.
* Support for struct, enum, union and typedefs.
* Interface for building C extensions.

Sameer achieved all of his goals completely and I believe he finished
this grant project successfully.

Additionally, Sameer made a good example which uses Rubex and he showed
how to use Rubex. He also talked about Rubex at Ruby Conf India 2017.

Mentor's position

We discussed about several issues. I also reviewed his reports for this
grant project.

Future prospects

Rubex is very early project and more works are needed to solve real
world problems. He had already found many future works and he had listed
them at <https://github.com/v0dro/rubex/wiki/Rubex-v0.1-goals>. I hope
he (and his team if possible) can achieve these goals.Author: Koichi Sasada (Cookpad Inc.)

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