Report Number:	2	
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Summary:

- Setting up the Python API on Windows.
- Writing Python API for a custom report

Some Details:

First, I tried to install Python on Linux using Anaconda, but it was not the best setup for me. I had some problems with the license on Ubuntu. Then, I installed the python on Windows using Pycharm. I tried to create a database using python, but it is not plausible for Python to create or modify an Understand database. It means that we have to analyze the source code by und (Understand command-line programming), and then report the results using Python. In this step, I have two plans to prepare a structured report.

Plan A: use the embedded functions in the Understand Python APIs. It may take much more time than Plan B, but it will be more efficient and cost-effective.

Plan B: crawl the report of the und, and gather all required information from different parts of the report.

Now, I am working on Plan A, and a sample report of execution is reported in the GitHub page, named "first python API programming". I will try my best to complete Plan A.

Achievements:

- Understand's license has less restriction on Windows.
- Python API programming is not for creating or modifying the Understand databases.
- We have to reuse the analyze of the Understand but in a different report style.\
- There are some pre-required system-defined settings if you want to use Pycharm on Windows.