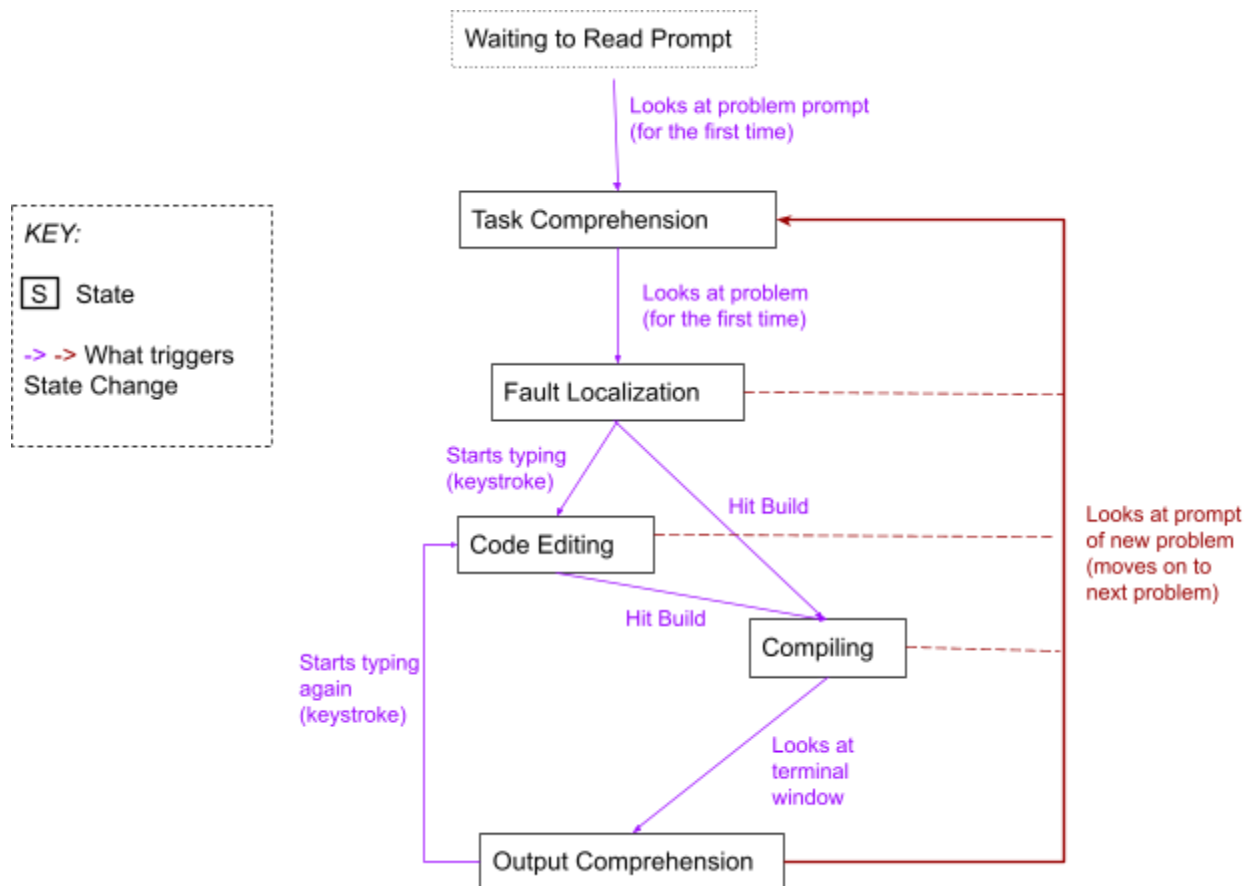


Segmentation Protocol



- (1) Task Comprehension -> This is the time segment in which the participant is understanding the problem at hand. Particularly trying to understand what the program is doing
- (2) Fault Localization -> The participant is looking for the fault in the bug and tries to conceptually understand what is causing the problem. They will only exist if they start typing
- (3) Code Editing -> Participant is now actively trying to fix the problem to embed testing techniques (such as printing). They may also be pausing in between the keystrokes and going back and forth to other windows. The only way to exist this state is by compiling or moving on to the next problem
- (4) Compiling -> participant has hit the build button and are waiting to navigate towards the terminal window. They can only exit this state if they look at the terminal window or do the next problem.
- (5) Output comprehension -> The participant is actively looking at the error message and trying to comprehend it as it relates to the program they are working on. They may be going back and forth with the error message, program, or prompt. They will only exist this stage once they start typing, re-compile, or move on to the next problem