## DEBUGGING

#### WHAT?

# DEBUGGING IS FIXING PROBLEMS IN CODE

WHY?

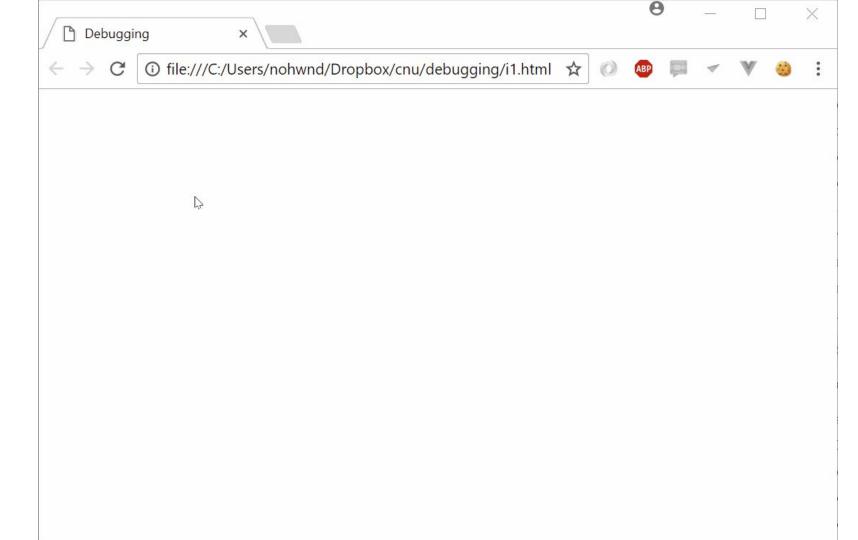
# 50% - 80% OF YOUR TIME WILL BE SPENT DEBUGGING

#### IT IS A GREAT LEARNING TOOL

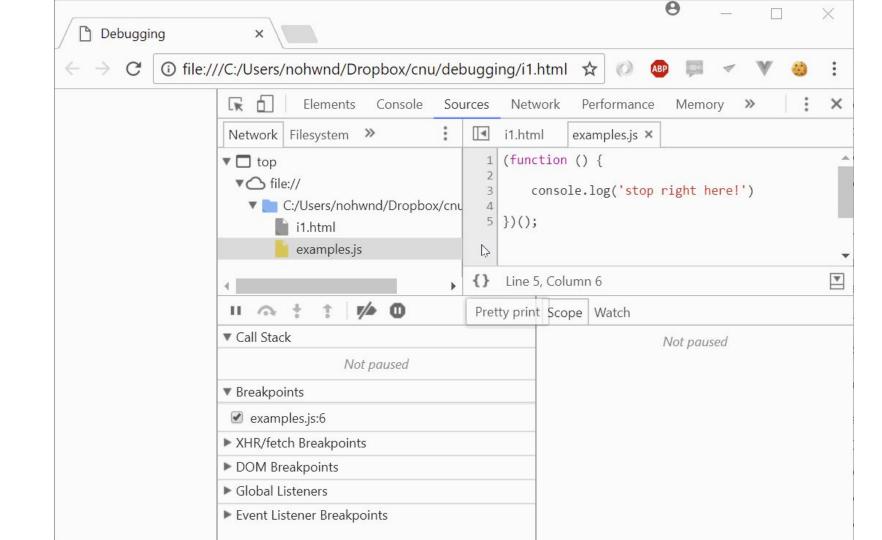
# IT HELPS YOU SOLVE PROBLEMS YOURSELF

## COMMON DEBUGGER FEATURES

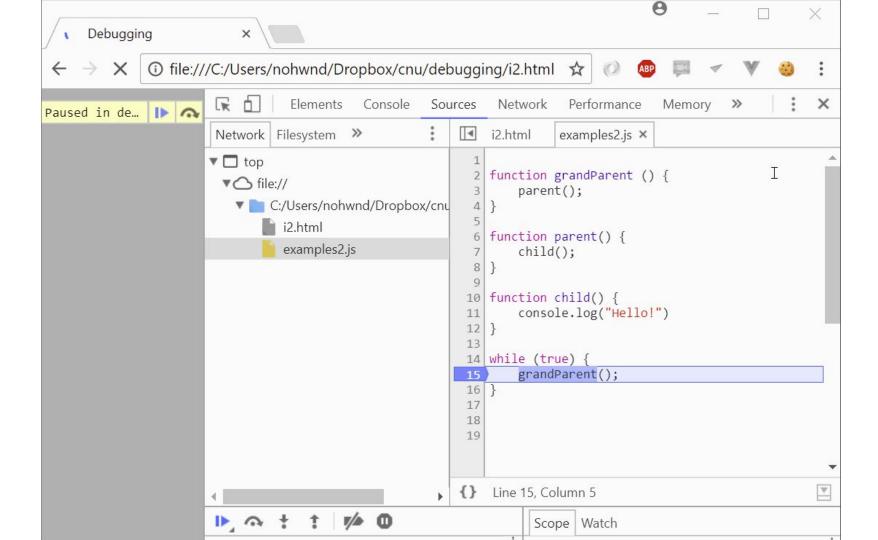
#### DEBUGGER



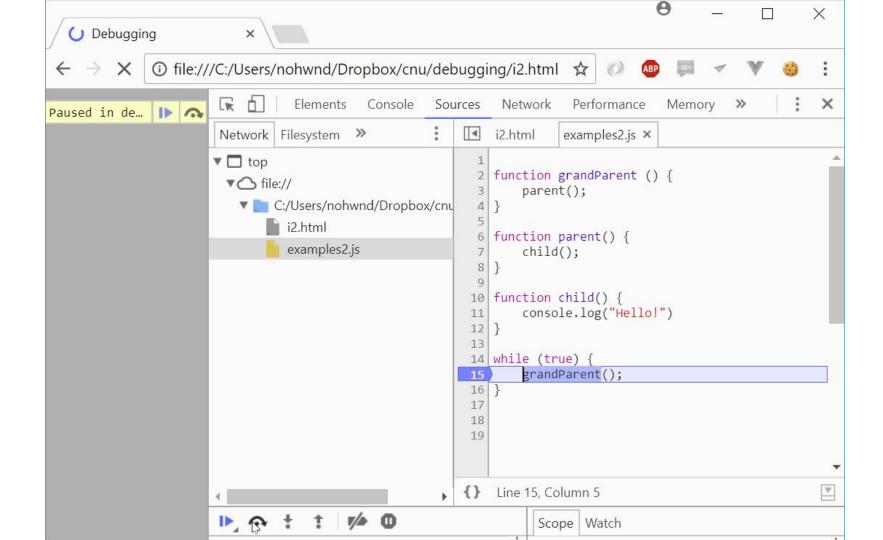
#### BREAKPOINTS



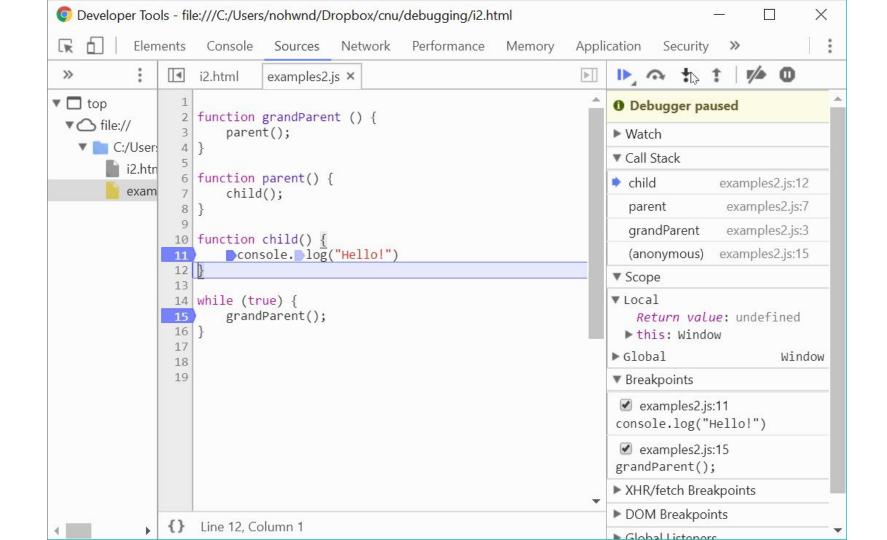
#### STEP INTO



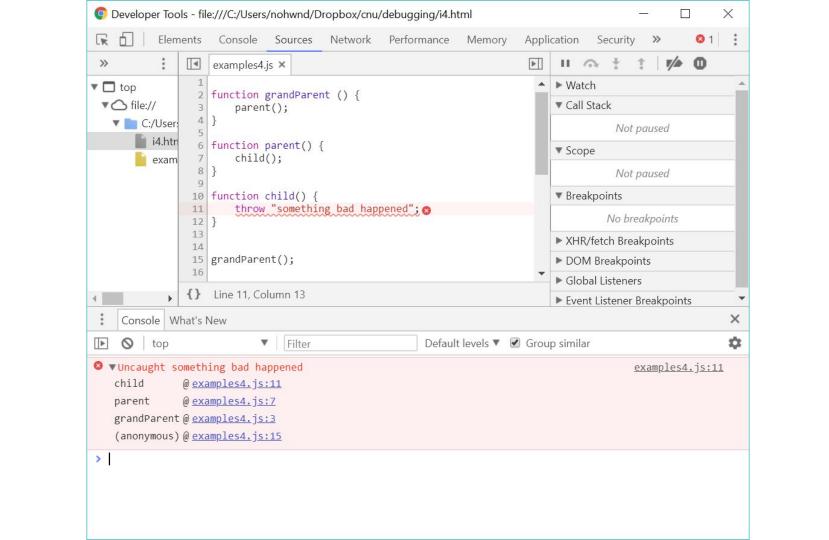
#### STEP OVER



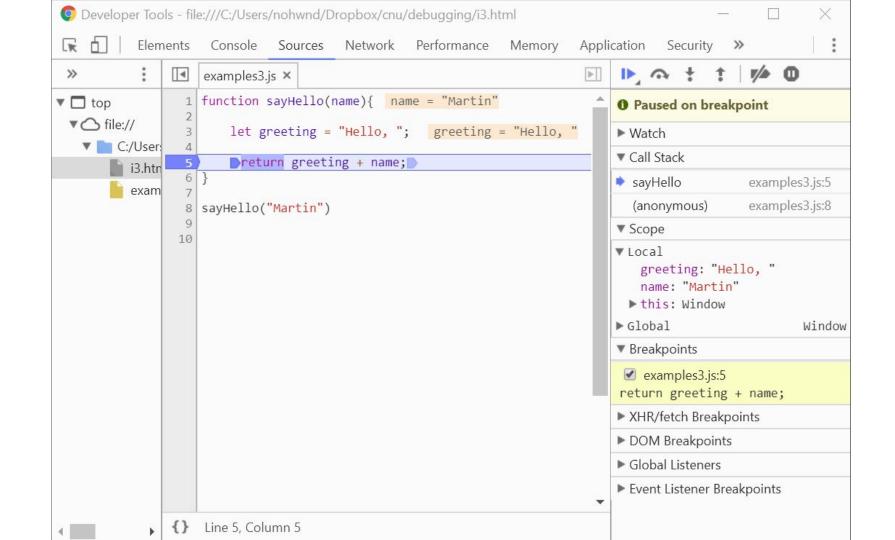
#### CALL STACK



#### STACK TRACE



#### VARIABLE INSPECTION



## WATCHES, COUNTERS, CONDITIONAL BREAKPOINTS, PAUSE BUTTON, EXCEPTION SETTINGS, EVENT HANDLER HOOKS ETC.

#### SOME PRO TIPS?

#### TAKE IT SLOW

#### DON'T GUESS

#### FORM HYPOTHESIS

### TEST IT

#### WRITE NOTES

#### REPEAT

## (WRITE A TEST)

## DOES NOT HELP?

#### TAKE A BREAK

#### TALK TO YOURSELF

#### TALK TO OTHERS

#### ASK FOR BETTER TOOLS

### GIVE UP:)

#### QUESTIONS?