

# Coding Journey Steps

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## 1 Observe

- *Observe* & read the problem description very carefully. Pay close attention to all the terms used in the problem definition.
- Read the problem description again & again.

## 5 Walkthrough

- *Walkthrough* the pseudo code & framed example (keep it handy) in detail considering extreme cases.
- Observe each step very very carefully before coding.

## 4 Optimize

- Walkthrough the naive approach & try to *optimize* the code by eliminating the redundant info.
- Try using better data structure & techniques to optimize code.

## 3 Brute Force

- Apply *Brute-force* to come up with a naive approach considering its time & space complexity.
- Consider writing an algorithm or pseudo code.

## 2 Example

- Frame an *example* that cover the problem in terms of given input & desired output. Don't take an exceptional or special case.

## 6 Coding

- Write the basic scheme of the program in terms of just the functions required. Initially, consider writing only the basic cases.
- Always write *code* in terms of modules.

## 7 Detailing

- Consider each function & try coding the *detailed* & extreme cases.
- Consider special cases, extreme cases & try integrating it with base cases.

## 8 Dry Run

- Try implementing "*dry-run*" taking an example in white board so as to verify all the possible cases in detailed code.
- Fix if anything is required.

## 9 Test

- *Test* the code with real valued input for all the test cases.
- Test with boundary cases.