Project → Requirements

this

cause

given → Specification

given → Design

Focus → Implementation → Creating the product

Saw → Testing

Provided → Maintenance
Python ---- Physics

R -> S -> D -> .py file

R -> S -> D -> .c file

Python

compile -> .pyc

do stuff

Processor

CPU

Memory

Short-term

Person

Desk

Long-term

Disk

HDD

SSD

Comp Sci

Comp Eng

0, 1

Voltages

High

Low

x billions
Python

Program = recipe

PyCharm

Project = cookbook

1. **Open PyCharm**
   1.5 open project
2. **Create a python file**
   - select Project Dir
   - right-click → New → Py file
   - File → New → Py file
3. **Name:**
   - lower-case
   - no spaces (use _ instead)
   - Some names break things → 2+ word safe
4. **Code**
5. **run**