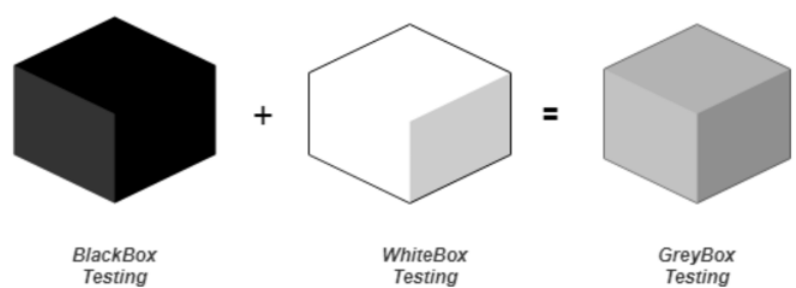
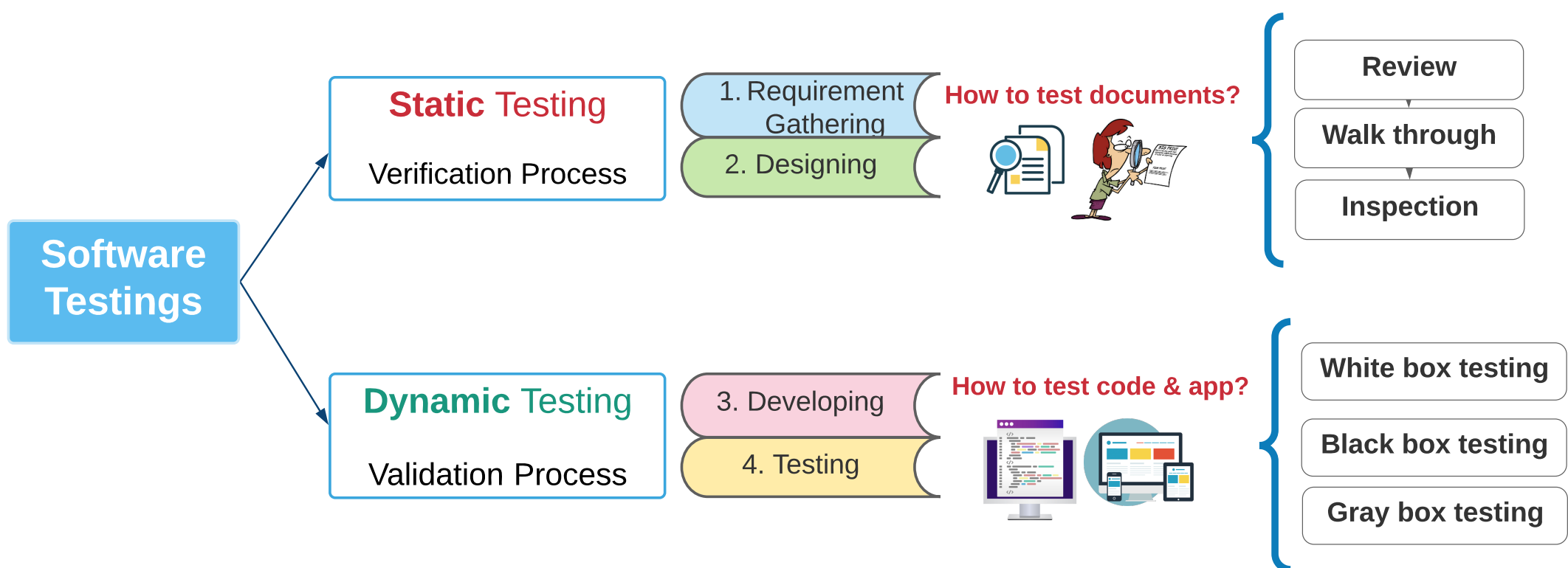


White, Black & Gray box Testings

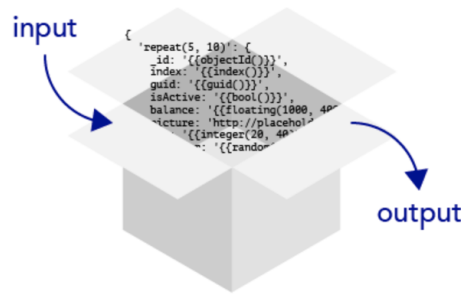


Interview Question & answers in this article:

- What is **White** Box Testing?
- What is **Black** Box Testing?
- What is **Gray** Box Testing?

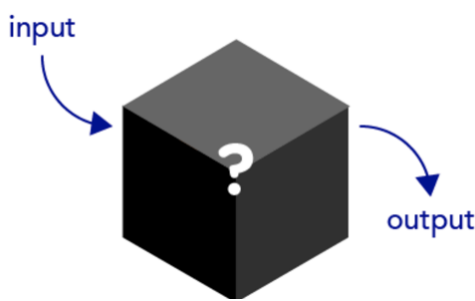


White box testing:



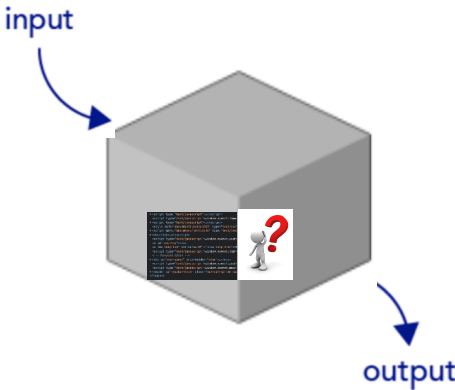
- White box testing requires a **good understanding** of the **application's internal code** and **behavior**.
- A software's code is written by developoeprs so the developers know the internal structure in detail.
- **Performed by the developers.**

Black box testing:



- Black box testing is testing of a application **without** having **any technical knowledge, code's logic**, how the code works, or knowledge of the internal structure, etc.
- Manual testers, the client and end users test the application without technical knoweldge. They just give input and get the output/result, they do not understand the function process.
- **Performed by manual testers, the client and end users.**

Gray box testing:



- Gray Box testing is to test the software application **with partial knowledge** of the **internal code structure**.
- It is a **combination of black box and white box testing**.
- Automation engineers, performance testers, and security engineers know partial code logic.
- **Performed by automation engineers/QA/SDET, performance testers, Security engineers**