

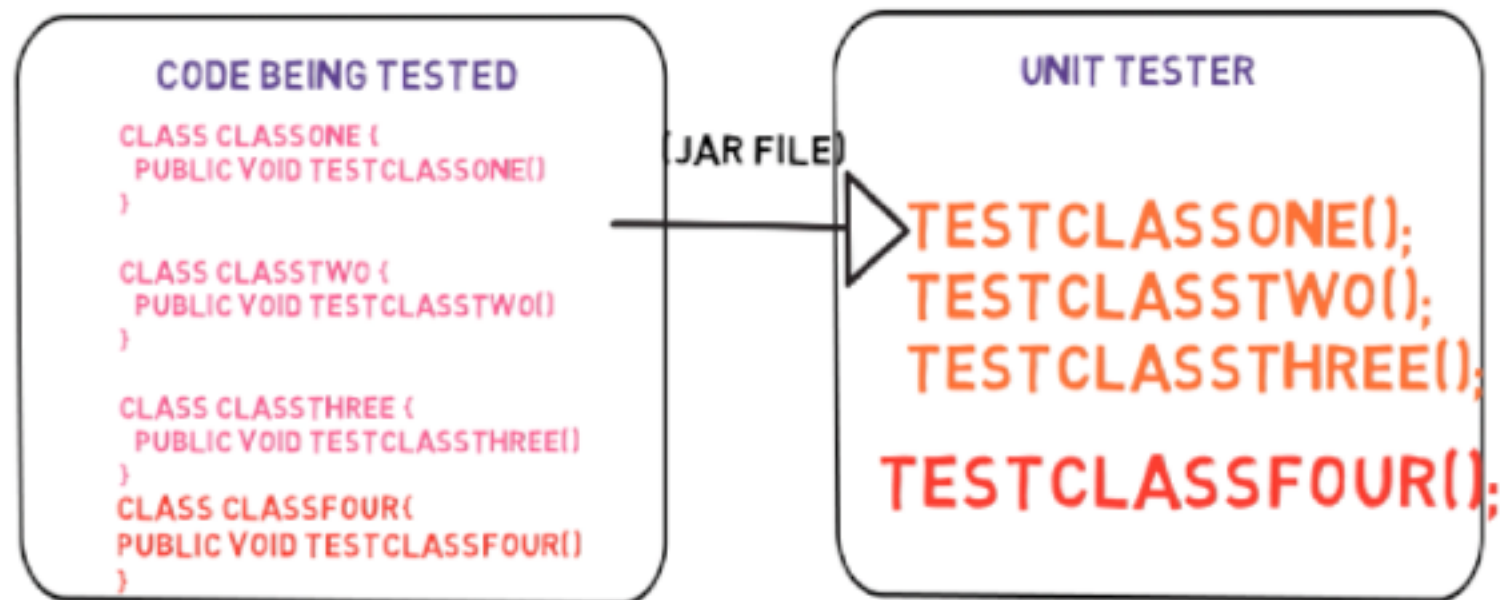
REFLECTION AND THE FACTORY PATTERN

HAVE COME TO BE QUITE CLOSELY
ASSOCIATED - SO ITS WORTH
UNDERSTANDING REFLECTION

**SO – GIVEN ALL THIS – WHAT IS
REFLECTION GOOD FOR?**

**THERE ARE SITUATIONS WHERE REFLECTION
IS THE ONLY – AND BEST – GAME IN TOWN**

OLD-SCHOOL APPROACH TO UNIT TESTING

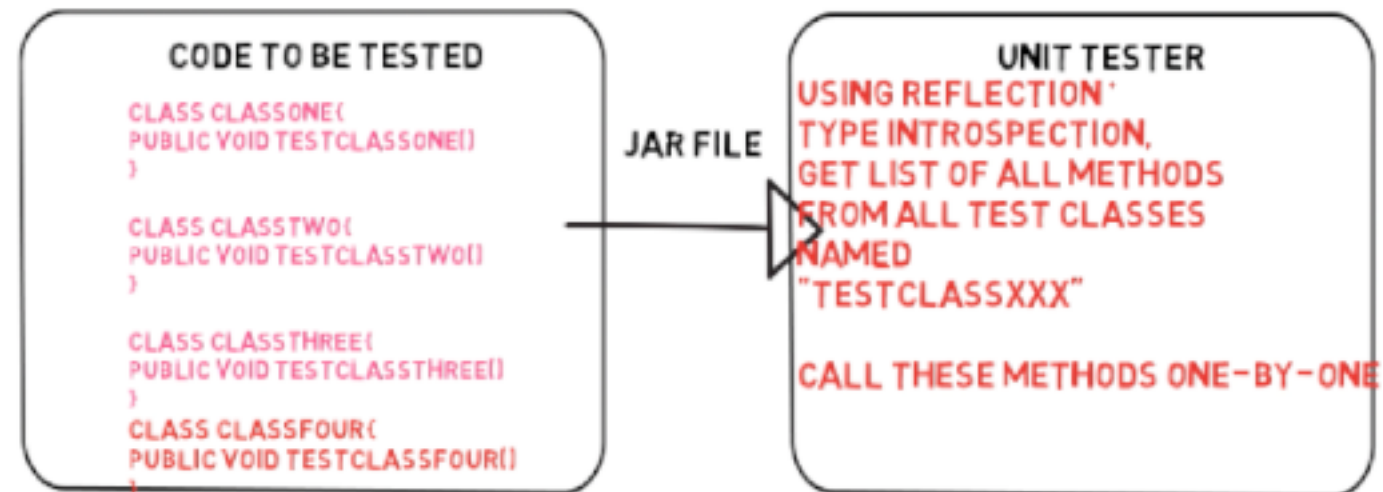


SO FAR SO GOOD.. BUT THEN

**IF A NEW CLASS GETS ADDED TO THE
CODE BEING TESTED, THE ONLY WAY
FOR THE UNIT TESTER TO KEEP UP IS –
FOR THE CODE OF THE UNIT TESTER TO BE
MODIFIED, AND THE UNIT TESTER REBUILT**

**THIS NEED TO RECOMPILE AND RERUN THE UNIT
TESTER IS A PROBLEM.**

REFLECTION TO THE RESCUE!



**NOW IF A CLASS IS ADDED,
NOTHING CHANGES ON THE UNIT
TESTER**

**THIS, IN FACT, IS EXACTLY HOW THE FAMOUS
UNIT TESTING TOOL JUNIT USED TO WORK**