A black grid with white text

Description automatically generated

**Manual Integration :**

A screenshot of a computer

Description automatically generated=====================

The developer makes the code and its build on server at 11 pm in maven and 500 testing and there are bugs so have to send it back to the Developer to rectify the bug

**New Solution continuous integration** :

A diagram of a code

Description automatically generated================================

A diagram of a company

Description automatically generatedIn continuous integration if example 10 lines pushed in git it will automatically picked by CI Server tool which automatically will compile build continuously and there are error it will notify back to the developer that there are bugs and developers can rectify the bugs. All automated work

A diagram of a function

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* Problem with Traditional Integration:
* Difficult to implement all the details that have changed

#Some using Version 2 someone using version 3

* Difficult to get the latest version of the code early
* Difficult to manage all the changes with changing API versions
* Difficult to manage the entire subsystem of the application that behave differently
* Difficult to rewrite the whole code

**Overcome these challenges is continuous integration** :

A pencil with numbers and text

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A close-up of a globe

Description automatically generated

What is Jenkins ?

“A continuous Integration server which manages and control processes such as plan, code build, test, deploy, operate and monitor in DevOps Environment”.

A person reading a book

Description automatically generated

Deploy

Plan

Test

Build

Code

Operate

Monitor