1. **What is Regression?**

* Regression testing is performed to **check whether the defect fix have any impact on other functionality.**
* Sometimes **bug affects nearby links and functions in that particular module and related modules**. So we need to test is it working as expected or not.

1. **What is Retesting?**

* Retesting is carried out to check the defects fixes.

**For example**, we click a link. It is not respond. So, we raise a defect. Developer checks that one and if it is not respond he fix as a bug. Then he corrects that and sends it to the tester for retesting. We test again that link and check it is working properly or not. This is retesting.

1. **What is Smoke testing?**

* Smoke testing is **normal health check up** to a build of an application before taking it to testing in depth.
* Normally major functions and links are checking in this part.
* **Checking the stability** of the build for further detailed testing is known as **Smoke Testing**.
* It is also known as **Build verification test**.

**For example**, we buy a water bottle. When we buy a water bottle we test,

1. Whether the bottle is sealed properly or not
2. Whether purity of the water without open the bottle
3. Checking the manufacturing date.