**What does SDLC stand for?**

-Software Development Life Cycle.

**What is the first step in the SDLC?**

-Identification.

**How Many stages are there in the SDLC?**

-7.

I**n which step of SDLC do you actually start to solve the problem?**

-Desing.

**In which step of the SDLC is Prototyping used?**

-Desing.

**Which of these are types of maintenance?**

-Adaptive and Corrective.

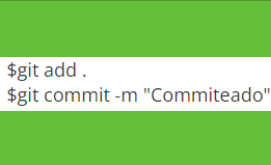
**White box testing is where...**

- A programmer tests all code pathways.

**Black box testing is where...**

-You test the functionality of the code and You don't need to understand programming to do it

**Choose the option that will save the changes in the repository**



**Showing the picture, ¿what happens if I type: $git stash pop?**

-I will recover the stash content in develop branch

**What does the following log history mean?**

A commit was made in develop after merging from develop to master.

**Working in develop branch, with unfinished changes, but I need to move to master to make a "hotfix". What should I do?**

-Do a stash in develop, to recover it later.

**Given the Gitflow methodology, and looking at the diagram: How many official releases have been launched?**

-4

**What is the main difference between a compiled programming language and an interpreted programming language?**

-Compiled are translated before execution, interpreted are during execution

**What is a key advantage of interpreted languages?**

-Greater portability of source code.

**What is a common disadvantage of compiled languages?**

-Need for a specific compiler for each platform.

**Which tool in NetBeans allows you to inspect the values of variables during the execution of your Java program?**

-Watch Window

**What is the key combination to perform a step-by-step debugging in NetBeans IDE?**

-F8

**What is the purpose of breakpoints in the context of Java debugging?**

-To stop the execution of the program at a specific line

**What is the key difference between syntax errors, compilation errors, and runtime errors in Java?**

**-Syntax**: code structure,**Compilation**: during compilation, **Runtime**: execution