✅ **Congratulations! You passed!**

Grade received 100%   To pass 80% or higher

Go to next item

---

1. How can a VCS (Version Control System) come in handy when updating your software, even if you're a solo programmer? Check all that apply.

1 / 1 point

☑ Git retains local copies of repositories, resulting in fast operations.

✅ **Correct**
Awesome! Git's distributed architecture means each person contributing to a repository retains a full copy of the repository locally.

☑ If something breaks due to a change, you can fix the problem by reverting to a working version before the change.

✅ **Correct**
Nice job! With version control, if something goes wrong, we can fix it immediately and figure out what happened later.

☐ Git relies on a centralized server.

☑ Git allows you to review the history of your project.

✅ **Correct**
Right on!

2. Who is the original creator and main developer of the VCS (Version Control System) tool Git?

1 / 1 point

○ Bill Gates

○ Guido van Rossum

◉ Linus Torvalds

○ James Gosling

✅ **Correct**
Nailed it! Linus Torvalds developed Git in 2005 to better facilitate the process of developing the Linux kernel with developers across the globe.

3. _____ is a feature of a software management system that records changes to a file or set of files over time so that you can recall specific versions later.

1 / 1 point

○ A repository

○ sys.exit()

◉ Version control

○ IDE

✅ **Correct**
Right on! A version control system keeps track of the changes that we make to our files.

4. A _____ is a collection of edits which has been submitted to the version control system for safe keeping.

1 / 1 point

○ IDE

○ version control system

◉ commit

○ repository

✅ **Correct**
Awesome! We call the collection of edits we are making at one time a commit.

5. Within a VCS, project files are organized in centralized locations called _____ where they can be called upon later.

1 / 1 point

○ commits

- ◉ repositories
- ○ IDE
- ○ yum

✓ **Correct**

    Excellent. A repository is a central location in which data is stored and managed.