Work case 4

1. Made by Melikhov Danylo

- Дайте розгорнуте визначення таким поняттям як «пакет» та «репозиторій».

* Package:

In the context of software, a package is an archive or compiled unit of software that contains executable code, libraries, configuration files, documentation, and other resources necessary to install and run a program correctly on a particular platform or operating system. Packages are typically used to organize and distribute software, allowing for convenient installation and updating of programs across multiple devices.

* Repository:

A repository is a centralized or distributed repository where software packages are stored along with metadata and other information needed to manage and distribute them. Repositories usually contain not only the source code of packages, but also ready-to-install executables, dependency descriptions, program versions, etc. Repositories are used to organize access to software, update and distribute it, as well as to collaborate on projects between developers.

- Надайте короткий огляд існуючих менеджерів пакетів у Linux. Охарактеризуйте їх основні можливості.

* APT (Advanced Package Tool):

The primary and standard package manager for Ubuntu and its derivative distributions. Provides a simple and convenient way to install, update, and uninstall packages. Allows you to manage package dependencies and resolve conflicts between them.

* Snap (Snapcraft):

A packaging system that allows you to install packages with libraries that are independent of the system. Provides an isolated environment for packages that allows you to install and use different versions of programs on the same computer. Allows users to safely and easily install programs that can be updated automatically.