

## Question 1

a) Classify the following list of application software into the corresponding category:

Application Software	Category
Slack	Productivity
Tableau	Productivity
IntelliJ IDEA	Programming
RStudio	Programming
Disk Doctor	Utility
Norton Security	Utility
LibreOffice Calc	Productivity
Zoom	Productivity
MySQL Workbench	Productivity
Trello	Productivity

### Categories:

- Productivity software
- Programming software
- Utility software

b) Give another example of software in each category.

## Productivity Software

- **Notion** → Project and task management, collaborative note-taking.
- **Google Docs** → Online word processing and real-time collaboration.
- **Evernote** → Note-taking and personal organization.

## Programming Software

- **PyCharm** → IDE for Python development.
- **Eclipse** → IDE for Java and other languages.
- **VS Code** → Lightweight but extensible code editor.

## Utility Software

- **CCleaner** → System optimization and junk file cleaner.

- **WinRAR** → File compression and decompression.
- **Recuva** → Data recovery tool.

## Question 2

Complete the following table, indicating the component corresponding to each element:

Element	Component
IT Support Specialist	Person
Thunderbird (email client)	Software
PDF invoice template	Data
Procedure for employee onboarding	Process
External SSD	Material
Linux Mint	Software
ERP System database	Data
Chief Information Officer (CIO)	Person

## Question 3

Classify the following devices into the corresponding category, giving an example of use in an information system:

Device	Category	Example of Use
Digital Pen	Input	Writing and converting notes into digital format for meeting records
Barcode Scanner	Input	Registering products during warehouse inventory
Graphics Tablet	Input / Input-Output	Creating digital illustrations for design projects
Smart TV Display	Output/Input-Output	Displaying dashboards in a meeting room
3D Printer	Output	Producing prototypes based on CAD software models
Portable SSD	Storage	Storing backup copies of business reports
Wi-Fi Router	Network Communication	Connecting employees' devices to the company network
Bluetooth Dongle	Network Communication	Syncing wireless peripherals (mouse, keyboard)

## Question 4

Identify the minimum network communications requirements for the different functionalities of use in an information system:

Functionality	Minimum Requirement
Writing a report in Microsoft Word	No network
Printing a purchase order from the accounting software	Local network (if using a shared printer)
Backing up files to an external hard drive	No network
Accessing the company's shared folder on a file server	Local network
Watching a training video hosted on YouTube	Internet
Updating the operating system via internal update server	Local network
Checking employee attendance records in the local HR system	Local network
Browsing the corporate website	Internet
Installing software from a USB drive	No network
Synchronizing email through Gmail	Internet