

Question 1

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

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

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	
Thunderbird (email client)	
PDF invoice template	
Procedure for employee onboarding	
External SSD	
Linux Mint	
ERP System database	
Chief Information Officer (CIO)	

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		
Barcode Scanner		
Graphics Tablet		
Smart TV Display		
3D Printer		
Portable SSD		
Wi-Fi Router		
Bluetooth Dongle		

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	
Printing a purchase order from the accounting software	
Backing up files to an external hard drive	
Accessing the company's shared folder on a file server	
Watching a training video hosted on YouTube	
Updating the operating system via internal update server	
Checking employee attendance records in the local HR system	
Browsing the corporate website	
Installing software from a USB drive	
Synchronizing email through Gmail	