Linux Subjective Question Answers

NOTE There are no right answers to these questions, they've been provided to give the students an idea about the correctness of each question.

- **Q.1** *Do you think Windows is better than Linux?*
  This is a very controversial topic as there are many opinions but sticking to the facts and research knowledge accessible to us, we can say, that,
    - GNU/Linux is a free and open source OS which means more security, freedom, transparency, flexibility as well as power.
    - Windows is also a very good operating system, but due to its closed-source and proprietary nature, it becomes a much worse operating system compared to the likes of operating systems such as GNU/Linux or BSDs.
    - The fact that softwares like the Adobe Suite and Games aren't supported isn't a Linux problem, it is the fault of the companies that don't want to provide support of all the OSes since that will require more resources spent in maintenance and management. So the cycle continues, Linux doesn't have support because companies don't want to provide support since it's less popular, and people don't use it because it doesn't have support of the software they want to use.
    - So in conclusion, GNU/Linux is **OBJECTIVELY** the better operating system.

- **Q.2** *You boot up your linux computer, and you see the given kernel panic message. How can you start fixing the problem?*
  `"VFS: unable to mount root fs on unknown wn-block(0.0)".`
    - The first steps to solving a problem like this is to find out what the log actually means.
    - Make a quick google search with the log message to find the problem from people on the internet or ask a question on a forum myself, if it doesn't exist.
    - Understand what it means.
    - Follow the steps provided by the helpful people on the internet.
    - Avoid tinkering with your system, unless you are sure about its consequences and are ready to take responsiblity.

- **Q.3** *Do you think software should be free? (as in freedom and cost). Explain why or why not briefly.*
  Software being free and open source has a lot of benefits
    - Transparency
    - Freedom
    - Control
    - Power
    - Flexibility
    - Security
      So, software should be free and open-source.

- **Q.4** *According to you, what are the disadvantages of Linux. Explain why if you feel it has none.*
  There are some disadvantages that some might consider for Linux, although these disadvantages are subjective and differ from person to person.
    - Less user friendly
    - Many distributions to choose from, making it more confusing.
      Apart from said "disadvantages", Linux doesn't have any solid disadvantages that make it less of an Operating System.

- **Q.5** *Does the open source nature of Linux make it less secure? Explain why or why not briefly.*
  The open source nature of Linux makes it much more secure than a closed source one.
  The reason is simple, think of a gate that 3 people are watching for intruders. The chances of someone sneaking by that gate are slim but not negligible.
  If we add 50000 people to watch that gate, there is negligible chance that someone might sneak by.
  This analogy isn't perfect, but it gives us good insight about the open-source nature of Linux making it much more secure than its counterparts.