Describe a specific hardware component that is found inside a PC tower case. Include the following points in your answer:

The name of the component

The main function of the component

Some important features of the component

Where the component is located inside the PC tower case

How the component has changed since the 1990s with respect to speed

How the component has changed since the 1990s with respect to size (e.g. megabytes)

Describe a specific hardware component that is found outside a PC tower case. Include the following points in your answer:

The name of the component

The main function of the component

Some important features of the component

Where the component is located inside the PC tower case

How the component has changed since the 1990s with respect to speed

How the component has changed since the 1990s with respect to size (e.g. megabytes)

Describe a specific computer malware (e.g. worm, virus, trojan, etc.). Include the following points in your answer:

The name of the malware

The type of malware (justify your answer)

The visible signs on a computer that is infected

Ways to prevent or remove the attack

Its impact on a single user / computer

Its impact on society / the economy

Describe a specific equity issue discussed in class (e.g. Emoji Equity). Include the following points in your answer:

The types of groups affected (e.g. Gender, Race, Religion, etc.).

For each affected group, explain how they are affected with specific details

Explain how the software or applications do not currently provide equity

Explain how developers of the software or applications plan to make improvements regarding equity

Describe social and environmental issues related to crypto-currencies such as BitCoin and BitCoin mining. Include the following points in your answer:

List and explain some concerns for society related to this technology

Explain how to minimize these social concerns through responsible use.

List and explain some concerns for the environment related to this technology

Explain how to minimize these environmental concerns through responsible use.

Discuss the function and features of Privacy Policies and Terms of Service Agreements found for most on-line services such as GitHub. Include the following points in your answer:

Explain the main features of and the reason for a Privacy Policy

Explain the main features of and the reason for a Terms of Service Agreement

Explain the main difference between a Privacy Policy and a Terms of Service Agreement

Explain some of the identity and personal information you give away when using these services

Explain some things you can do to limit how much identity and personal information you give away

Topic F

the need for an acceptable-use policy

for using computers at school and at work;

Privacey Issues

Access to personal information

Terms of Service

Acceptable use guidelines

Topic C - Programming Concepts

Types of data

Assignment to variables

Decision Structure

Looping Structure

Boolean Operations and comparison operators

Arithmetic operators

User input

Screen output

User defined function

Topic D – Code Maintenance

difference between syntax, logic, and run-time errors;

correct between syntax, logic, and run-time errors;

functions and features of a software development environment

file management techniques to organize and manage files