

Task 3

A.

How well are you aware of the topic? In pairs, make a list of typical OS features and characteristics.

Functionalities	Characteristics
Process Management	Process creation, scheduling, and termination
Memory Management	Allocation and release of memory
Input-Output devices Management	Enables applications to interact with devices
File Management	insert, delete, update and select files
Network Management	Network connection, data transmission
Security Management	Manage the authority

B.

What is an Operating System? Goals & Functions of OS

OS is a software that acts as an interface for easy and efficient interaction between computer hardware and user.

C.

How many of your suppositions were mentioned in the video? Have you got to know any new information from the video?

An example of a fan is mentioned in the video to explain the role of the operating system. A fan can be likened to an operating system, which helps manage and regulate the resources in the system to ensure that the system runs smoothly. Just as a fan can adjust its speed as needed to keep the temperature right, the operating system can manage and allocate computer resources as needed to increase efficiency and ensure stable system operation.

Overview of the thesis

The author, Hillary Nyakundi, is a budding developer with a strong passion for technology, especially in the realms of open-source projects and Python programming. With a focus on technical writing, Hillary strives to disseminate knowledge to fellow developers through insightful articles aimed at fostering growth and success within the developer community. Hillary's dedication to sharing expertise and facilitating learning underscores a commitment to empowering others in their technical journeys.

This article was featured on FreeCodeCamp, a popular online platform known for its extensive resources and community support for developers, programmers, and tech enthusiasts. The publication of this article on FreeCodeCamp signifies its relevance and contribution to the platform's mission of promoting accessible and quality technical education for all.

The main idea of the article is to provide readers with a comprehensive overview of the evolution, functions, and pros and cons of operating systems.

The article gives a detailed analysis of the ethical implications of AI, discussing issues such as bias in AI algorithms, data privacy concerns, and the need for responsible AI development and deployment.

Further, the author reports that AI has the potential to drive innovation and create new possibilities for addressing complex societal challenges.

In conclusion, the author emphasizes the importance of ethical AI practices and the need for collaboration between policymakers, industry stakeholders, and the public to ensure the responsible and beneficial use of AI technologies.

In my assessment, the article is quite intriguing and holds significant importance in the realm of technology and programming. It offers valuable insights and practical knowledge that can benefit developers and students.

It aims to educate readers about the importance of operating systems in computing, their role in managing computer resources, and the impact they have on user experience and system performance.

The article delves into the history of operating systems, from early single-tasking systems to modern multi-tasking OS like Windows 11, iOS, and Android, highlighting the advancements and key features of each.

Additionally, it discusses the functions of operating systems, such as memory management, process scheduling, file management, and error handling, emphasizing their significance in ensuring the smooth operation of computer systems.

Overall, the article is devoted to providing readers with valuable insights into the world of operating systems and helping them make informed decisions when choosing an OS for their devices.

The author starts by telling the reader about the fundamental role of artificial intelligence in revolutionizing various industries and transforming the way we live and work.

The author emphasizes that AI technologies have the potential to enhance efficiency, productivity, and decision-making processes across different sectors.

Much attention is given to the impact of AI on job automation, with the article highlighting both the opportunities and challenges associated with this trend.

According to the article, AI is reshaping the future of work by creating new job opportunities in AI-related fields while also raising concerns about job displacement in traditional industries.

It is reported that AI is increasingly being integrated into everyday products and services, from virtual assistants to autonomous vehicles, showcasing the widespread adoption of AI technologies.

From what the author says, it becomes clear that AI is a transformative force that is reshaping the way we interact with technology and the world around us.

