Day 1 Task

Queston 1:What is programming and why we need it?

Programming is the process of writing instructions that a computer can understand and execute.

It involves creating software, applications, websites, and other digital solutions using various programming languages such as Python, Java, C++, JavaScript, etc.

**Need of Programming:**

Programming is essential because it allows us to automate repetitive tasks, solve complex problems, and build sophisticated systems. With programming, we can create software that can handle large amounts of data, perform complex calculations, and communicate with other systems. It enables us to develop innovative applications that can improve our lives, businesses, and society.

In today's digital world, programming skills are in high demand. Companies across various industries need programmers to develop and maintain their systems and applications. Additionally, programming skills can enhance career opportunities and provide a competitive edge in the job market.

Question 2:What is syntax?

In programming, syntax refers to the rules that define the structure of a programming language. Syntax determines how the code is written, including the format, the order of statements, and the use of keywords, symbols, and punctuation.

Syntax is essential in programming because it ensures that the code is written in a consistent and understandable way, which makes it easier for programmers to read and debug their code.

Question 3: What is the purpose of Print Function ?

Print function in Python is used to Print something on the screen.For example if we want to print name of something we use print function I.e print(‘salman shah’)

Question 3:Write down the advantages of IDE?

Integrated Development Environments (IDEs) offer several advantages for programmers, including:

* Increased productivity: IDEs provide a comprehensive development environment that includes a code editor, debugger, compiler, and other tools, which can help developers write to code more efficiently.
* Code completion and suggestion:

IDEs can automatically complete code syntax. highlight errors, and provide suggestions to improve code quality and reduce errors.

* Simplified debugging:

IDEs provide debugging tools that help programmers identify and resolve issues in their code more quickly and easily.

* Consistency and standards: IDEs can enforce coding standards and formatting rules across a project, which can help ensure consistency and improve code quality.

Question 5: Display Mehak,skillvention and Hello this is me …

Print (‘Mehak’)

Print(‘Skillvention)

Print(‘Hello this is me “Salman Shah” ‘)