1.What is Data Science?

Data science combines math and statistics, specialized programming, advanced analytics, artificial intelligence (AI), and machine learning with specific subject matter expertise to uncover actionable insights hidden in an organization’s data.

2. Importance of statistics in Data Science?

**Statistics** used to be one of the easiest chapters of all in the mathematics section and that was actually the real purpose of it to combine different types of data and to present it in an **adequate and neat way.**

**3. What is Data engineering?**

Data engineering is the practice of designing and building systems for collecting, storing, and analyzing data at scale. It is a broad field with applications in just about every industry. 4. What is Data visualization?

Data visualization is the representation of data through use of common graphics, such as charts, plots, infographics, and even animations.

5. What is Data cleaning?

 Data cleaning is the process of fixing or removing incorrect, corrupted, incorrectly formatted, duplicate, or incomplete data within a dataset.

6. What is python and why we use it?

Python is a computer programming language often used to build websites and software, automate tasks, and conduct data analysis.

7. What is Data in statistics?

data are individual pieces of factual information recorded and used for the purpose of analysis. It is the raw information from which statistics are created.

8. What is statistcs?

Statistics is the study of the collection, analysis, interpretation, presentation, and organization of data.

9. What is mathematics ?

Mathematics is **the science and study of quality, structure, space, and change**. Mathematicians seek out patterns, formulate new conjectures, and establish truth by rigorous deduction from appropriately chosen axioms and definitions.

10. What is computer Science?

Computer science is the study of computers and computing as well as their theoretical and practical applications.

11. What is programming language?

A programming language is a system of notation for writing computer programs.