1.what is data science

Data science is the study of data to extract meaningful insights for business. It is a multidisciplinary approach that combines principles and practices from the fields of mathematics, statistics, artificial intelligence, and computer engineering to analyze large amounts of data.

2.imporatnce of statistics in data science ?

To put it in simple words, statistics is the basic use of mathematics in formulating a technical analysis of data.

3.what is data engineering?

Data engineering is the practice of designing and building systems for collecting, storing, and analyzing data at scale

4.what is data visualization?

Data visualization is the graphical representation of information and data. By using visual elements like charts, graphs, and maps.

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 measurements or observations that are collected as a source of information. There are a variety of different types of data, and different ways to represent data.Data is capable of being analyzed using statistical procedures. Data is used to create new information or knowledge.

8.what is statistics?

In data science, statistics is at the core of sophisticated machine learning algorithms, capturing and translating data patterns into actionable evidence.

9.what is mathematics?

Mathematics is the science and study of quality, structure, space, and change.

10.what is computer science?

Computer Science is the study of computers and computational systems.

11.what is programming language?

A programming language is a system of notation for writing computer programs. Most programming languages are text-based formal languages