**1.How would you explain Streamlit to someone who is new to the framework?**

It is a open source which apps can be build faster and also shares machine learning and data science apps.

**2.Can you describe the main features and advantages of using Streamlit for building data applications?**

Apart rom building apps, using simple code we can create interactive web sites without using html.

It collects data

It can be used for backend

It is a free source

**3.**what **is the purpose of the st.write() function in Streamlit, and how is it commonly used?**

Allows to display text,emojis etc, using this it allows to create free machine learning apps.

**4.Explain how widgets work in Streamlit and provide examples of different types of widgets.**

It allows to have interactive with user by adding text, buttons, sliders etc

**5.How can you handle user inputs and interactions in a Streamlit application?**

st

Text\_input(), text\_area()

**6.Discuss the role of caching in Streamlit and when it might be beneficial to use it.**

Cache is high speed data storage which stores subset of data. The more the cache, it will get slow.

Hence by deleting cache app will be faster.\

**7.What is the purpose of the st.sidebar in Streamlit, and how is it typically utilized?**

It helps the user to focus on the content in the apps.

**8.Explain the concept of reactive programming in the context of Streamlit.**

It describes a design that relies on programming ;ogic to handle real time updates or contetnt.

**9.How does Streamlit handle the sharing of data between different components in an application?**

St.session\_state()

**10.Can you compare Streamlit to other popular web frameworks used for data applications, highlighting its strengths4**

Plotly Dash is competition for streamlit

Streamlit has more simplicity

It has more faster developmens

It can be used for backend