

### **Q1)What is Streamlit, and how does it differ from other web frameworks?**

Ans- Streamlit is web framework where we can create web apps for Data Science and machine learning.it is differ from other framework such as Flask because ,here we can use less line of code to access and it is very simple to understand as well as for implementation

### **Q2) Explain the basic structure of a Streamlit app.**

Ans- Streamlit is a Python library that are used for process of creating web applications

Basic Structure are follows:

- Import streamlit as st(Importing the Streamlit)
- App title and introduction
- St.sidebar(where we can create the sidebar content)
- Main content.

### **Q3)How can you add a title to your Streamlit app?**

Ans-We can use a function called st.title for the adding of title to a Streamlit app.

eg:Import streamlit as st

##to add title we can use

St.title("Welcome to Streamlit")

### **Q4)What is the purpose of the st.write() function in Streamlit?**

Ans-St.write() function is used to write something text as well as we can write some code in streamlit app.

Example:

Import streamlit as st

##if I want to write some text

St.write("Welcome")

o/p-Welcome

##if I want to write some code

St.write(range(10))

o/p-range(10)

### **Q5)How do you create interactive widgets in Streamlit? Provide examples.**

Ans-Streamlit provides various interactive widgets that users can interact with, such as sliders, buttons, and text inputs. These widgets allow you to create dynamic and responsive apps.

Example: input = st.slider("Choose a value", 0, 100)

st.write(f"User selected: {input}")

o/p- It will display a slider and ask me to choose a value ranging from 0 to 100 if I want to choose 37 so it will give the output as 37.