

Advanced Python Exam

Advanced Python Exam 2

Date : 13-April-2025

Context :

We have covered Creating User Interface Based Applications using Streamlit. Streamlit is powerful and good for quick Application Creation. Also we have learnt of Data processing using DataFrame. In this Exam will be testing both the concepts.

Question 1 : User Interface to collect input and Perform Calculation

- Create a Streamlit Based Application where you will be gathering Inputs about a Product Sale and storing this data. Collect the following Attributes from user as Inputs:
 - Product Id (e.g. P1000).
 - Name (e.g. Apple iPhone)
 - Description (e.g. short text describing the product).
 - Quantity Sold (e.g. Integer values like 5 indicating 5 phones sold).
 - Unit Price (e.g. Gather Unit Price or Price of a Single Product that was sold)
- Once you gather this input, Calculate the Total Price as Unit Price times Quantity Sold (e.g. if unit price is 1000 and 5 phones were sold then total should be 5000). Display this calculation in screen.
- Then Save this data to a file (say CSV file).

Question 2 : User Interface to display output

- Read the File you save in previous step - which should have some products sold.
- Display this data as a table in Streamlit.