

A)

1- We use this piece of code `hex(a5)`

2- Lists and tuples are data structures in Python, there are remarkable differences between the two, with the main difference being that lists are mutable while tuples are immutable. A list has a variable size while a tuple has a fixed size.

3- Flask is a popular, extensible web microframework for building web applications with Python.

4- Pandas is a software library written for the Python programming language for data manipulation and analysis. In particular, it offers data structures and operations for manipulating numerical tables and time series.

B)

1- Append this piece of code `df.max(axis=0)`

2- This answer is attached in the python file.

C)

2- `TypeError: 'function' object is not subscriptable` this is an error from the execution of the function. A pure function will always produce the same output. Immutability - data cannot be changed after it is created.

3- This answer is attached in the python file.