

Question: Turning this all into a DataFrame

## Correct Answer and Explanation:

Code Implementation:
# Import the pandas package
import pandas as pd

# Turn list of lists into list of dicts: list\_of\_dicts
list\_of\_dicts = [lists2dict(feature\_names, sublist) for sublist in row\_lists]

# Turn list of dicts into a DataFrame: df
df = pd.DataFrame(list of dicts)

# Print the head of the DataFrame
print(df.head())

## Explanation:

- 1. `import pandas as pd`:
- Imports the pandas package, which provides powerful tools for working with data in tabular formats.

- 2. `list\_of\_dicts = [lists2dict(feature\_names, sublist) for sublist in row\_lists]`:
- A list comprehension is used to convert each sublist in `row\_lists` into a dictionary using the `lists2dict` function.
  - The result is a list of dictionaries, each representing a row of data.
- 3. `df = pd.DataFrame(list of dicts)`:
- Converts the list of dictionaries into a pandas DataFrame. Each dictionary becomes a row, and the keys of the dictionaries are used as column headers.
- 4. `print(df.head())`:
- Prints the first five rows of the DataFrame, allowing you to inspect its structure and content.