

The screenshot shows a web-based coding environment. On the left, there's a sidebar with the title 'Zipping dictionaries'. Below the title, it explains the task: using the `zip()` function to combine two lists into a dictionary. It mentions that the lists are extracted from a 'bigger dataset file of world development indicators from the World Bank'. It also specifies that the first list, `feature_names`, contains header names, and the second list, `row_vals`, contains actual values. Below this, there are 'Instructions' and a 'Take Hint (-30 XP)' button. The main area on the right is a code editor with a dark theme, showing a Python script. The script has comments and code for creating a dictionary from zipped lists. At the bottom right of the code editor are buttons for 'Run Code' and 'Submit Answer'. Below the code editor is a 'Python Shell' area with a prompt 'In [1]:'.

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Exercise

Zipping dictionaries

For this exercise, you'll use what you've learned about the `zip()` function and combine two lists into a dictionary.

These lists are actually extracted from a [bigger dataset file of world development indicators from the World Bank](#). For pedagogical purposes, we have pre-processed this dataset into the lists that you'll be working with.

The first list `feature_names` contains header names of the dataset and the second list `row_vals` contains actual values of a row from the dataset, corresponding to each of the header names.

Instructions

- Create a zip object by calling `zip()` and passing to it `feature_names` and `row_vals`. Assign the result to `zipped_lists`.
- Create a dictionary from the `zipped_lists` zip object by calling `dict()` with `zipped_lists`. Assign the resulting dictionary to `rs_dict`.

Take Hint (-30 XP)

```
script.py
1 # Zip lists: zipped_lists
2 zipped_lists = ____
3
4 # Create a dictionary: rs_dict
5 rs_dict = ____
6
7 # Print the dictionary
8 print(rs_dict)
9
```

Run Code Submit Answer

Python Shell Slides

In [1]:

Question: Zipping dictionaries

Correct Answer and Explanation:

Code Implementation:

```
# Zip lists: zipped_lists
zipped_lists = zip(feature_names, row_vals)
```

```
# Create a dictionary: rs_dict
rs_dict = dict(zipped_lists)
```

```
# Print the dictionary
print(rs_dict)
```

Explanation:

- `zipped_lists = zip(feature_names, row_vals)`:
 - The `zip()` function combines the `feature_names` list and the `row_vals` list into pairs. Each pair corresponds to a key-value pair for the dictionary.
- `rs_dict = dict(zipped_lists)`:
 - Converts the zipped pairs into a dictionary. Each key comes from

`feature_names` and the corresponding value comes from `row_vals`.

3. `print(rs_dict)`:

- Prints the resulting dictionary, which maps each feature name to its corresponding value in the row.