

# TV Show Explorer Version 2: Formatting

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In the first version, when you search for your favourite TV show, it might be boring just to see the show name as the only result. For example, when you search for "friends", you just get the following result:

```
Found: Friends
```

Is it the one with Ross, Monica, and Rachel? No idea!

So, in this version, you will focus on formatting.

## What to do

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- Implement the `get_show_data_by_name` function. It will take the show name as a string argument along a dictionary with the top 100 shows data, and return a dictionary with the matching show name.
- Next, implement the `format_show_details` function. It will take a dictionary as an argument and properly format the necessary details of the show. This function returns the data as a formatted string.

Include the following information in the formatted string:

- Show name
- Premiere year
- End year
- List of genres

If some of the information is missing, use "?".

The string should be formatted in the following manner:

Example 1:

Friends (1994 - 2004, comedy, romance)

Example 2

The Simpsons (1989 - ?, comedy, family)

Example 3

Star Trek (1966 - 1969, action, adventure, science-fiction)

#### Example 4

Saturday Night Live (1975 - ?, comedy, music)

All functions defined in the template **must be present and implemented** in your code (you may **not** omit functions or change their definition). You **may** add extra functions if needed.

```
import json

"""
New features in this version:
* Formatting the show details
"""

def load_json(filename) -> dict:
    """
    Load JSON from a file
    """
    # Implement in ver. 1

def find_show(query: str, shows: dict) -> str:
    """
    Search for TV shows in the shows dictionary
    Return the name of the first (only one) result based on the query
    If the show is not found, return None
    """
    # Implement in ver. 1

def get_show_data_by_name(show_name: str, shows: dict) -> dict:
    """
    Return the data for a show based on its name
    """
    # TODO: Implemented the function

def format_show_details(show: dict) -> str:
    """
    Format the show details
    """
    # TODO: Implement the function

def main():
    # TODO: Update main() to display formatted show names
```

```
if __name__ == '__main__':  
    main()
```

## Hints

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- Your `get_show_data_by_name` function should be relatively simple. You're just looking for a match in the dictionary and returning it.
- For `format_show_details` you should have a condition that checks if a value exists for each value you need to get.

## Program name

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Save your program as `shows2.py`.

## Demo

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<https://asciinema.org/a/621382>

## Testing

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To make sure your program works correctly, you should test it.

- Run your program with `python shows2.py`. Type `friends`, then press Enter. The output of your program must resemble the example output below:

```
Found: Friends (1994 - 2004, comedy, romance)
```

- Run your program with `python shows2.py`. Type `qwertyui`, then press Enter. Your program should print:

```
Can't find this TV show in the Top 100!
```

## Submitting

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Submit `shows2.py` via eClass.

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