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#!/usr/bin/env python3
# -*- coding: utf-8 -*-

# =====
# Find and print the best movie per category
# =====

with open('250.imdb', 'r', encoding='utf-8') as f:

    # For each category, I keep the best rating
    # Mapping { key: value } where key = string
    # value = int
    categories = {} # Nothing at the start

    for line in f:

        if line.startswith('#'): # Not interested
            continue

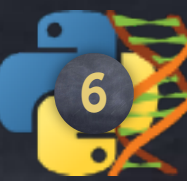
        # Get the fields as a list of strings
        fields = line.split('|')

        # Rename the fields, cuz I prefer, and convert them
        rating = float(fields[1])
        genres = fields[-2].lower().split(',') # List of strings also

        for genre in genres:
            old_rating = categories[genre]

            if rating > old_rating: # found a better one
                categories[genre] = rating

    # Print the categories
    for genre, rating in categories.items():
        print("The best movie for", genre, "has rating:", rating)
```



```
[~/tmp] (vt17) $ python step4.py
```

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Traceback (most recent call last):
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  File "step4.py", line 28, in <module>
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    old_rating = categories[genre]
```

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KeyError: 'drama'
```

```
[~/tmp] (vt17) $
```

