Lab 3

CST 205

Task 1

Create a Python dictionary, called `color_dictionary`, with (at least) the following keys:

`red`, `green`, `blue`, `magenta`, `cyan`, and `yellow`.

(Feel free to add other colors. You can use a website such as RapidTables as a reference.) The corresponding values should be the RGB tuples of the color.

Task 2

Using `color_dictionary`, use f-strings to print out the following values using sentences:

- The blue channel of magenta. (Your sentence will read, “The blue channel of magenta has value 255.”)
- The green channel of yellow.
- The red channel of cyan.
- The RGB tuples of any colors in `color_dictionary` whose second letter is “e”.
    - You should find out which colors have “e” as a second letter using Python.

Task 3

Referring to the following dictionary (also available here), print out the red channel of *Clay Creek* and the blue channel of *Seal Brown*:

```
tineye_sample = {
    "status": "ok",
    "error": [],
    "method": "extract_collection_colors",
    "result": [
        {
            "color": (141,125,83),
            "weight": 76.37,
            "name": "Clay Creek",
```

```
            "rank": 1,
            "class": "Grey"
        },
        {
            "color": (35,22,19),
            "weight": 23.63,
            "name": "Seal Brown",
            "rank": 2,
            "class": "Black"
        }
    ]
}
```

Deliverable

- Submit your code within one or more .py files
- Briefly summarize your lab work and any challenges you may have faced.
    - Use complete sentences for your summary.
    - You can provide your summary as comments in your code.
- Use iLearn to submit your code and summary.
- Do not submit Word documents.