Day 16

f-strings in Python:

What is an f-string?

An f-string (formatted string) is a simple way to put variables inside a string.

- Introduced in Python 3.6.
- Uses f before the string

Example: string formatting earlier.

```
1   sentence = "Hey there {}, how is {}"
2   name = "Aditya"
3   place = "India"
4   formatted_sentence = sentence.format(name, place)
5   print(formatted_sentence)
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS

```
PS E:\Python\Day11-20\Day16> python main.py
Hey there Aditya, how is India
```

Example: another example of old format, now with index specified.

```
1   sentence = "Hey there {1}, how is {0}"
2   name = "Aditya"
3   place = "India"
4   formatted_sentence = sentence.format(name, place)
5   print(formatted_sentence)
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS

```
PS E:\Python\Day11-20\Day16> python main.py
Hey there India, how is Aditya
```

Example: using the f-strings

```
 8    name = "Aditya"
 9    place = "India"
10    sentence = f"Hey there {name}, how is {place}"
11    print(sentence)
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   **TERMINAL**   PORTS

PS E:\Python\Day11-20\Day16> python main.py
Hey there Aditya, how is India

Example: calculating inside the f-string

```
13    print(f"{4*5}")
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL

PS E:\Python\Day11-20\Day16> python main.py
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Example: Something interesting …

```
13    print(f"{{4*5}}")
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL

PS E:\Python\Day11-20\Day16> python main.py
{4*5}

Summary:

- f-strings are used to format strings
- Use f"..." before string
- Variables go inside { }
- Can use expressions & functions
- Cleaner and better than old methods

--The End--