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1.2 Graded Assignment 1

Write a dataclass describing a mountain (containing fields for name and elevation) and:

- Construct an instance of the dataclass
- Convert it to string

Code:

```
example 1 dataclass x
home > aqsatauheed > Downloads > dataclass > ...
1  from dataclasses import dataclass
2  @dataclass
3  class Mountain:
4      name: str
5      elevation: float
6  m = Mountain(name = "Mount Everest", elevation = 1044.8)
7  m_str = str(m)
8  print(m)
9  |
```

Explanation:

firstly we **import a dataclass from dataclasses** and create an class of '**Mountain**' having two fields name and elevation and their data types are **str** and **float** respectively, create an **instance** of the class Mountain and convert it into **string** by the given function **m_str = str(m)** and print them.

Output:

```
aqsatauheed@all-MS-7D35:~/Documents/Aqsa$ cd /home/aqsatauheed/Documents/Aqsa ; /usr/bin/env /bin/python3.11 /home/aqsatauheed/.vscode/extensions/ms-python.python-2023.6.0
/pythonFiles/lib/python/debugpy/adapters/../../debugpy/launcher 45395 -- /home/aqsatauheed/Downloads/dataclass
Mountain(name='Mount Everest', elevation=1044.8)
```

```
aqsatauheed@all-MS-7D35:~/Documents/Aqsa$ cd /home
/pythonFiles/lib/python/debugpy/adapters/../../debugpy/launcher 45395 -- /home/aqsatauheed/Downloads/dataclass
Mountain(name='Mount Everest', elevation=1044.8)
aqsatauheed@all-MS-7D35:~/Documents/Aqsa$
```