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Assignment 1 Day 2

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

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

Solution:

- 1). The dataclass decorator is imported from the data classes module. @dataclass is a decorator provided by the datalasses module.
- 2). Mountain dataclass is defined using dataclass decorator with name and elevation fields.
- 3). Created an instance of dataclass representing Mount Everest with an elevation of 8848 meters.

- 4). str() is used to convert the mount_everest instance to a string, the resulting string is assigned to the mount variable.
- 5). Now mount is printed which is string representation of the object using the print() function.
- 6). For checking the type just for confirmation that the result type should be string ,we used type() function

<u>code</u>

```
∢ Welcome
              assignment_2.py ×
assignment_2.py > ...
      from dataclasses import dataclass
      @dataclass
      class Mountain:
          name: str
          elevation: int
      # To Construct an instance of the dataclass as:
      mount everest = Mountain("Mount Everest", 8348)
 11
      # Convert it to string
      mount= str(mount everest)
 12
 13
      # now printing it
      print(mount)
 15
      #for checking the type of of mount ,just for confirmation
 17
      print(type(mount))
```

Output



python3 assignment_2.py command is used to run file.

Output results are shown in image which is converted string as:

Mountain(name='Mount Everest', elevation=8348)