

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

Solution

```
1  from dataclasses import dataclass
2
3  @dataclass
4  class Mountain:
5      name: str
6      elevation: float
7
8  m1 = Mountain(name="karakoram", elevation=8611)
9  print(type(m1))
10 print(type(str(m1)))
11
```

- In first line we import the dataclass from dataclasses library.
- Than we use dataclass annotation **@dataclass**.
- After that we write our **Mountain class** and it's **fields**.
- Than we construct the **instance** of Mountain class.
- Now, we print the **type** of instance.
- In last, we type cast the instance of Mountain to **str** and print pint its type.