

2

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Types vs Instances

Cup = {"size": int, "color": str}

Record Type

red mug = {"size": 6, "color": "red"}

Record Instance

white cup = {"size": 9, "color": "white"}

Record Instance
```

3

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Record Functions

# Make a new Cup
def make_cup(size: int, color: str) -> Cup:
    return { "size": size, "color": color }

# Get information about a Cup
def get_size_in_feet(a_cup: Cup) -> float:
    return a_cup["size"] / 12
def is_white_cup(a_cup: Cup) -> bool:
    return a_cup["color"] == "white"
```

5