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Find out whether the shape is a cube

DESCRIPTION:

To find the volume (centimeters cubed) of a cuboid you use the formula:

$$\text{volume} = \text{Length} * \text{Width} * \text{Height}$$

But someone forgot to use proper record keeping, so we only have the volume, and the length of a single side!

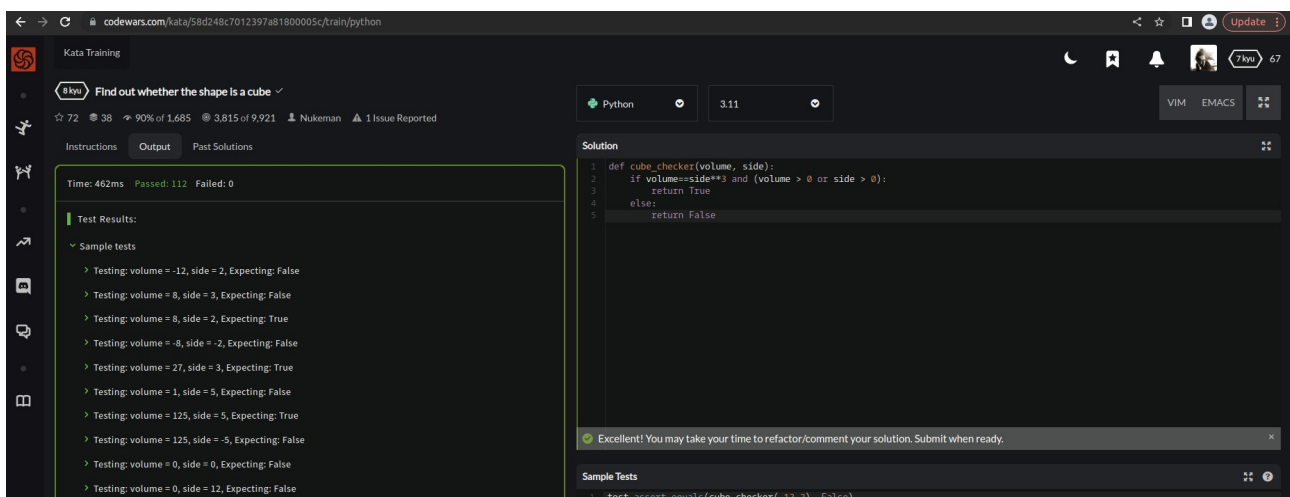
It's up to you to find out whether the cuboid has equal sides (= is a cube).

Return `true` if the cuboid could have equal sides, return `false` otherwise.

Return `false` for invalid numbers too (e.g volume or side is less than or equal to 0).

Note: side will be an integer

SOLUTION:



The screenshot shows a CodeWars interface for the kata 'Find out whether the shape is a cube'. The solution is written in Python. The code defines a function `cube_checker` that takes `volume` and `side` as arguments. It checks if `volume == side**3` and if both `volume > 0` and `side > 0`. If both conditions are met, it returns `True`; otherwise, it returns `False`. The test results show 112 passed tests and 0 failed tests. A message at the bottom says 'Excellent! You may take your time to refactor/comment your solution. Submit when ready.'

```
def cube_checker(volume, side):
    if volume==side**3 and (volume > 0 or side > 0):
        return True
    else:
        return False
```

EXPLANATION:

This is a Python function that finds a volume of cuboid. The `cube_checker` function takes in two arguments: `volume` and `side`. It checks whether the given volume and side represent a cube with non-zero positive dimensions. The function returns `True` if the volume equals the cube of side, and both volume and side are greater than zero. Otherwise, it returns `False`.