

You

Write me a python code that solves the problem with such description: Your task in order to complete this Kata is to write a function which formats a duration, given as a number of seconds, in a human-friendly way.

The function must accept a non-negative integer. If it is zero, it just returns “now”. Otherwise, the duration is expressed as a combination of years, days, hours, minutes and seconds.

Copilot

Sure, here is a Python function that solves the problem:

```
def format_duration(seconds):
    if seconds == 0:
        return "now"

    # Define the units and their corresponding seconds
    units = [("year", 60*60*24*365), ("day", 60*60*24), ("hour", 60*60), ("minute", 60), ("second", 1)]

    # Calculate the values for each unit
    values = []
    for unit, sec in units:
        q, seconds = divmod(seconds, sec)
        if q > 0:
            values.append((q, unit))

    # Format the values into strings
    parts = []
    for value, unit in values:
        part = str(value) + " " + unit + ("s" if value > 1 else "")
        parts.append(part)

    # Join the parts into a single string
    if len(parts) > 1:
        last = parts.pop()
        return ", ".join(parts) + " and " + last
    else:
        return parts[0]
```

You can test the function with the following code:

```
print(format_duration(3662)) # Should print: "1 hour, 1 minute and 2 seconds"
```

This function works by dividing the total number of seconds by the number of seconds in each unit (year, day, hour, minute, second) in descending order. It then formats the result in a human-friendly way. If the duration is zero, it simply returns “now”. Otherwise, it returns the duration as a combination of years, days, hours, minutes, and seconds. If there is more than one unit of time, it separates them with commas and “and” before the last unit.