Project 1

ZYNB MKRM

Calculating Age in Various Units

This Python code calculates a person's age in various units (months, weeks, days, hours, minutes, and seconds) based on their inputted age in years

Import:

01

```
from calendar import month
```

02

This line imports the month module from the calendar library. While month is not used in the current code, it might be useful for future date-related calculations.

User InPut:

```
age = int(input('What\'s your age?').strip())
```

This line prompts the user to enter their age and stores the input as an integer, ignoring leading and trailing whitespace.

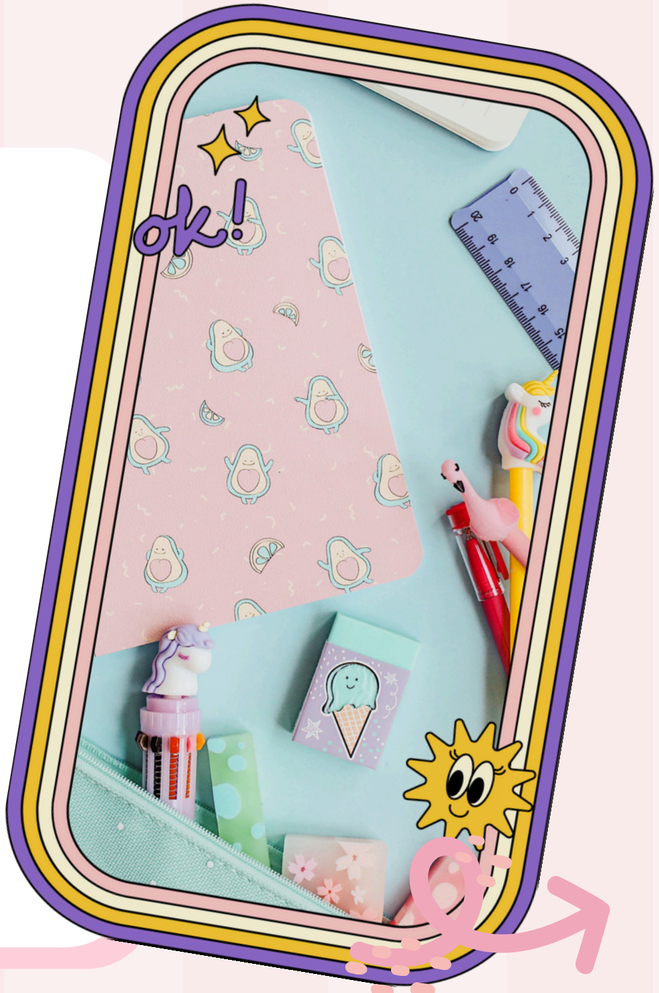
Calculations:

```
# Calculate age in different units
months = age * 12
weeks = months // 4
days = age * 365
hours = days * 24
minutes = hours * 60
seconds = minutes * 60
```

These lines perform calculations to convert the age in years to months, weeks, days, hours, minutes, and seconds.

Calculations:

- months = age * 12: Calculates the total number of months by multiplying the age in years by 12.
- weeks = months // 4: Calculates the total number of weeks by dividing the number of months by 4 (integer division to avoid floating-point values).
- days = age * 365: Calculates the total number of days by multiplying the age in years by 365.
- hours = days * 24: Calculates the total number of hours by multiplying the number of days by 24.
- minutes = hours * 60: Calculates the total number of minutes by multiplying the number of hours by 60.
- seconds = minutes * 60: Calculates the total number of seconds by multiplying the number of minutes by 60.



OutPut:

```
# Print results with appropriate formatting
print("You've lived for:")
print(f"{months:,} months.")
print(f"{weeks:,} weeks.")
print(f"{days:,} days.")
print(f"{hours:,} hours.")
print(f"{minutes:,} minutes.")
print(f"{seconds:,} seconds.")
```

These lines print the calculated results for months, weeks, days, hours, minutes, and seconds in a formatted manner, using f-strings for clear and concise output with commas separating thousands.

Thank You

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