

Thema der Aufgabe:

Arith Geo

Aufgabenbeschreibung:

Using the C language, have the function **arithGeo**(array) take the str string parameter being passed and check if the integers in an array follow either an arithmetic or geometric sequence. An **arithmetic** sequence is one where the difference between each successive pair of integers is constant, for example in the array [2, 4, 6, 8] the difference between the integers is always 2. A **geometric** sequence is one where each element in the array is the product of the previous integer multiplied by some constant or ratio, for example in the array [3, 9, 27, 81] each element is a result of the previous element multiplied by 3.

Tipp:

```
int arithGeo(int *array)
{
    // code here
    ..// return value
}

int main(void)
{
    // code here
    return 0;
}
```

Eingabe:

- [2, 4, 6, 8]
- [3, 9, 27, 81]

Ausgabe:

- arithmetic
- geometric

Beispiel:

- Siehe Eingabe/Ausgabe

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