

Example: Write code to find the area of a triangle where every side is 5cm long?
use heron's formulae to find the area ->

Step 1: Calculate "**s**" (half of the triangles perimeter):

$$s = (a+b+c)/2$$

Step 2: Then calculate the **Area**:

$$A = \sqrt{s(s-a)(s-b)(s-c)}$$

Q : Create a function that takes an array of objects (groceries) which calculates the total price and returns it as a number. A grocery object has a product, a quantity and a price, for example: --

```
getTotalPrice([
  { product: "Milk", quantity: 1, price: 1.50 }
]) → 1.5

// 1 bottle of milk & 1 box of cereals:
getTotalPrice([
  { product: "Milk", quantity: 1, price: 1.50 },
  { product: "Cereals", quantity: 1, price: 2.50 }
]) → 4

// 3 bottles of milk:
getTotalPrice([
  { product: "Milk", quantity: 3, price: 1.50 }
]) → 4.5
```

Q : Write a function that divides an array into chunks of size **n**, where **n** is the length of each chunk.

Examples

```
chunkify([2, 3, 4, 5], 2) → [[2, 3], [4, 5]]
```

```
chunkify([2, 3, 4, 5, 6], 2) → [[2, 3], [4, 5],  
[6]]
```

```
chunkify([2, 3, 4, 5, 6, 7], 3) → [[2, 3, 4], [5,  
6, 7]]
```

```
chunkify([2, 3, 4, 5, 6, 7], 1) → [[2], [3], [4],  
[5], [6], [7]]
```

```
chunkify([2, 3, 4, 5, 6, 7], 7) → [[2, 3, 4, 5, 6,  
7]]
```

Q: linear search

Q: binary search