Omit

This lesson explains the omit mapped type.

The mapped type <code>Omit</code> is the inverse of <code>Pick</code>. While <code>Pick</code> is used to select a member of a type, <code>Omit</code> takes everything except the member selected. Before going any further, here is the exact same example from <code>Pick</code>, except using the <code>Omit</code> mapping instead.

Animal. However, we have at line 17 to 21 a function that requires a subset of all the field of an animal. We could Pick the field needed, however in the scenario where only a few fields need to be removed, Omit is preferred. The reason is that less field needs to be specified: only the one not desired. Line 13 has a function that removes from Animal three fields.

```
interface Animal {
                                                                                          G
    age: number;
    name: string;
    maximumDeepness: number;
    numberOfLegs: number;
    canSwim: boolean;
    runningSpeed: number;
}
// Parameter using Omit to remove three fields
function buyAFish(fishEntity: Omit<Animal, "numberOfLegs" | "canSwim" | "runningSpeed" >) {
    console.log(fishEntity);
buyAFish({
    age: 1,
    name: "Clown Fish",
    maximumDeepness: 10,
});
```



Omit is actually a combination of two mapped types: Pick and Exclude.

How to build your own Omit with Pick and Exclude