

```

1. #define MAX_SIGHTINGS 7
2. struct date {
3.     int year;
4.     int month;
5.     int day;
6. };
7.
8. struct pod {
9.     struct date when;
10.    int    how_many;
11.    char    species[MAX_SPECIES_NAME_LENGTH];
12.};
13.
14. struct pod whale_sightings[MAX_SIGHTINGS]; // We can fit 7 pod structs inside our array

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<div> <div>struct pod</div> <div>when</div> <div> <div>struct date</div> <div>year 2018</div> <div>month 1</div> <div>day 14</div> </div> <div> <div>how_many 17</div> <div>species "Orca"</div> </div> </div>	<div> <div>struct pod</div> <div>when</div> <div> <div>struct date</div> <div>year 2017</div> <div>month 11</div> <div>day 3</div> </div> <div> <div>how_many 32</div> <div>species "Pygmy right whale"</div> </div> </div>	<div> <div>struct pod</div> <div>when</div> <div> <div>struct date</div> <div>year 2019</div> <div>month 2</div> <div>day 2</div> </div> <div> <div>how_many 56</div> <div>species "Orca"</div> </div> </div>	<div> <div>struct pod</div> <div>when</div> <div> <div>struct date</div> <div>year 2018</div> <div>month 7</div> <div>day 9</div> </div> <div> <div>how_many 3</div> <div>species "Striped dolphin"</div> </div> </div>	<div> <div>struct pod</div> <div>when</div> <div> <div>struct date</div> <div>year 2017</div> <div>month 8</div> <div>day 21</div> </div> <div> <div>how_many 7</div> <div>species "Blue whale"</div> </div> </div>	<div> <div>struct pod</div> <div>when</div> <div> <div>struct date</div> <div>year ???</div> <div>month ???</div> <div>day ???</div> </div> <div> <div>how_many ???</div> <div>species ???</div> </div> </div>	<div> <div>struct pod</div> <div>when</div> <div> <div>struct date</div> <div>year ???</div> <div>month ???</div> <div>day ???</div> </div> <div> <div>how_many ???</div> <div>species ???</div> </div> </div>
0	1	2	3	4	5	6

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1. int n_sightings = 5; // We have only read 5 pod structs into our array
2.
3. int count_orca_sightings(int n_sightings, struct pod sightings[n_sightings]);
4. void species_count(char species[], int n_sightings, struct pod sightings[n_sightings], int *n_pods, int *n_whales);

```