CodeHS

Structs

Corresponding Material
Structs, Program Structure

Discussion
Structs are a basic data structure that can be used to store multiple pieces of data. They are often used in C++ as a light-weight replacement to classes, as they group data, but often do not include function definitions.

Exercise
You have been working on a program to print out information about Mars rovers, but you accidentally spilled your mocha latte all over your keyboard. Unfortunately, your computer went a little crazy and moved a bunch of lines of code all around. Take the following blocks of code and place them back in the correct order so that the program prints the following:

```
Curiosity launched on Nov-26-2011 and landed on Aug-06-2012
Perseverance launched on Jul-30-2020 and landed on Feb-18-2021
```

```
return 0;
}
```

```
#include<iostream>
```

```
struct rover{
    string name;
    service dates;
};
```

```
rover cur;
cur.name = "Curiosity";
cur.dates.launch = "Nov-26-2011";
cur.dates.landing = "Aug-06-2012";
```

```
using namespace std;
```

```
struct service{
    string launch, landing;
};
```

```
rover per;
per.name = "Perseverance";
per.dates.launch = "Jul-30-2020";
per.dates.landing = "Feb-18-2021";
```

```
cout << per.name << " launched on ";
cout << per.dates.launch << " and landed on ";
cout << per.dates.landing << endl;
```

```
int main() {
```

```
cout << cur.name << " launched on ";
cout << cur.dates.launch << " and landed on ";
cout << cur.dates.landing << endl;
```

Enter your code here: