

1.

```
1  #include <iostream>
2
3  int main() {
4      std::cout << "Hello, World!" ;
5      return 0;
6  }
7
```

2.

```
1  #include <iostream>
2  #include <string_view>
3  #include <ranges>
4
5  int main() {
6      std::string_view greeting = "Hello, World";
7      auto firstFiveLetters = greeting | std::views::take(5);
8
9      for (char letter : firstFiveLetters) {
10         std::cout << letter;
11     }
12     std::cout << std::endl;
13
14     return 0;
15 }
```

I defined a `std::string_view` named `greeting`, which points to the string "Hello, World." Then I used the C++20 ranges feature to create a view named `firstFiveLetters` using the `std::views::take(5)` adaptor, which takes the first 5 elements of the original string view.

I then iterated over the `firstFiveLetters` range using a range-based for loop and it will print each character to the console. The output of this program will be: Hello

I had issues using the c++20 features so i had to change some settings on the c/c++ addon and add `-std=c++20` into my command.