Hello, in this video, we'll be looking at a C# program that uses object-oriented programming to represent a list of students.

Let's start by taking a look at the code. Here is the code for the Student class:

This class has private fields for the student's name, ID, and age, along with public properties that allow access to these fields. The GetInformation() method returns a string containing the student's name, ID, and age.

Now let's look at the code for the Program class:

This class contains the Main method, which is the entry point for the program. It creates an array of Student objects with a length of 10, and then uses a for loop to create new Student objects for each index in the array. It sets the student's name to "StudentX", where X is the index plus one, the ID to "IDX", where X is the index plus one, and the age to 20 plus the index. Finally, it uses a foreach loop to display the information of each student by calling the GetInformation() method and writing it to the console.

So, in summary, this program uses the Student class to represent a list of students, and the Program class to create and display these students. It demonstrates the use of object-oriented programming in C# and showcases how to use properties and methods to access and manipulate object data.

I hope this video was helpful in explaining the code. If you have any questions or comments, please feel free to leave them below. Thank you for watching!