Name : Roberto Soares

W02 Prove: Articulate—Abstraction

What is abstraction and why is it important?

* Explain the meaning of Abstraction
* Highlight a benefit of Abstraction
* Provide an application of Abstraction
* Use a code example of Abstraction from the program you wrote
* Thoroughly explain these concepts (this likely cannot be done in less than 100 words)

This past week we learned about the concept of abstraction and how we can use it in programming.

To define for me what abstraction is, abstraction is when we write a code with few details, so when we have a code with many details of what it has to do we are using little abstraction but if we have a code that hides many details this code is using a lot of abstraction.

During my study, I found an explanation that helped me a lot. When we talk about a car, we can say that a driver can use more abstraction to drive the car than the engineer to create the design of the car.

One benefit of abstraction is that through it we can write smaller and less complex code. From a piece of code we've already created, we can use its data and rules in other pieces of code and this creates third pieces of code that don't need to have all the rules of the first piece of code.