**Instructions**

Now that you have learned about the principle of abstraction,

and designed and developed a program using it, return to I-Learn

and answer the following question (the way you would in a job interview)

**Question to answer.**

What is abstraction and why is it important?

**Answer development**

Abstractions is something humans have been doing to make thing simpler for the user and learners. Consists in hiding complex ideas and processes to make it more readable and understandable to someone is not related to the specific field of that idea or process and enables them to use it in their daily basis. making this a benefit to a better life quality to mankind.

Abstraction in a way can be compare as a movie or TV show. The work that is made behind the scenes like the scripts, makeup, cameras, lights, scenography, video edition, actors trying to personify their characters and bringing them to live is not watch by the viewer. The Job of the viewer is not related to understand the behind the scenes but just to understand the movie and plot and enjoy it. In programming we do the same as by following the requirements to program with classes which enables the programmer to filter what is important to the user. For example, the following code is what a user needs to fulfill for their resume:

Job job1 = new Job();

job1.\_jobTitle = "Software Engineer";

job1.\_company = "Microsoft";

job1.\_startYear = "2019";

job1.\_endYear = "2022";

But what really compiles all that information and show it back to them with a specific format is the following code:

public class Job

{

public string \_jobTitle = "";

public string \_company = "";

public string \_startYear = "";

public string \_endYear = "";

public Job ()

{

}

public void Display()

{

Console.WriteLine($"{\_jobTitle} ({\_company}) {\_startYear}-{\_endYear}");

}

}

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