**Computer Architecture**

**TOTAL POINTS 2**

1.Question 1

What are the four layers of the computer architecture?

**1 / 1 point**



Computer, Operating System, Software, User



Hardware, Operating System, Software, User



Hardware, Windows, Software, User



Binary, Hardware, Operating System, Software

Ans 2

**Correct**

Great job! The layers of computer architecture are the hardware, operating system, software, and user layers.

2.Question 2

Write a paragraph on examples of abstraction that you encounter in your day-to-day life. For example, driving a car is an example of abstraction, you don't need to understand how a car works underneath the hood in order to drive one.

**1 / 1 point**

I think the most abstract thing we all encounter every day is money. The dictionary says it’s “a medium of exchange”. That “medium” is a big abstraction. Dictionary again: “an agency or means of doing something”. If a group of people all agree that some thing is worth something it becomes money. Marco Polo, in the book about his travels, marvels that the Chinese will accept paper as if it were gold or silver (the only forms of money his medieval world knew). It blew his mind that a small piece of paper with the emperor’s picture on it was enough to get the Chinese to give him food or lodging. Today what we usually think of as money— bills, coins, yes gold and silver— represents only a microscopic fraction of the total wealth in the world. Okay, I’ll buy my morning coffee with pieces of paper and coins (which no longer use silver or gold), and the bills have pictures of our honored ancestors on them, but when I need to purchase anything of significant value I hand over a small plastic rectangle with numbers coded on a magnetic strip. Almost all money now is patterns of bits on hard drives spread around the planet. And when I need to buy something really big, neither paper nor plastic work. I’ll buy my next car with a few signatures on paper, and bits sent to the seller from other hard drives verifying my “credit”. And I won’t even pay for it that way— I’m just signing a pledge to pay for it gradually in the future and some large corporation (another abstraction) actually sends the money (in the form of more bit patterns) to the automobile manufacturer. (Imagine showing up at a car dealer hauling kilos of gold bullion behind you. You’re more likely to get a ride in a black and white.) The “agency or means” of my purchasing a car will be a network of corporations using a communications network, credit network, legal network, etc. to get me into two tons of technology, and eager to do it if they think I’ll keep sending them patterns of bits for the next few years. Experts are going crazy about Bitcoin. But how much more of an abstraction is it? Is it money? I’ll let you figure that out yourself. Speaking of buying coffee, I once saw one of these taped to the espresso machine at my local café.

**Correct**

It's amazing how often we use abstraction in our daily lives, without even realizing it. Thank you for submitting your response to this prompt. I encourage you to think of other ways you use abstraction in your daily routine. This habit will help as you prepare to become an IT Support Specialist!