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**COURSE TITLE(CODE): OPERATING SYSTEMS (CS304)**

Assignments I give to my CS304 students make them to explore, conjecture, and have critical thinking and analysis; and the following assignment is not an exception:

Three companies, **A**migos corporation, **B**eratis corporation and **C**osmos corporation, are engaged in providing **a**rchitectural, **b**anking and **c**onstrictionservices. Each company has recently acquired one of **A**moeba OS, **B**anyan-vires OS and **C**entOS world-class operating systems, for its operations. **None** of the first letters in the company names and operating system names or service-areas match up – *so,* ***A****migos corporation did not acquire* ***A****moeba and does not provide* ***a****rchitectural services.*

**Required***:*

1. If the company that acquired **C**entOS is **NOT** in **b**anking business**, determine** which company acquired which operating system?
2. Indicate the service that each company provides to its customers.

**PART I**

Now ,the question did say the first letter in the company does not match the operation system acquired nor the service they offer. It however was not stated that, the first letter of the operation system each uses, cannot match the s first letter of the services offered.

Given that, the company that acquired CentOS is not in banking business, then we are left with options of it being either Amigos corporation or Cosmos corporation. But again, we are told that none of the first letters in the company names and operating system and service names match up, hence we can conclude that Amigos corporation acquired CentOS.

Now, we can exclude CentOS from the available operating system options because it has already been acquired by Amigos Corporation. Considering Beratis corporation, we now just have two Operating system options to choose from, thus Banyan-Vires OS and Amoeba. but again, as the rule of the question goes, Beratis could never acquire Banyan-Vires and hence, Beratis corporation acquired Amoeba.

Finally, it is evident that Cosmos corporation acquired Banyan-Vires since it is the only operating system left.

**PART II**

Having identified the operating system each of these companies acquired, then we could perhaps match the operating system each uses, to the service they offer.

Hence Amigos corporation offer constriction services, Beratis corporation offers Architectural services, and Cosmos corporation -corporation offers banking services