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**IT315**

**Hands On #5**

**Three domain names that I may be interested in buying with the prices:**

- Clubmillionaires.com [\$6,488]
- Famouspizzas.com [\$2,888]
- Luxurycooking.com [\$9,088]

**IP addresses for each domain:**

- superiorschedule.com [216.92.30.104]
- girlsgeekout.org [216.92.30.104]
- cnn.com [151.101.131.5, 151.101.67.5, 151.101.195.5, 151.101.3.5]
- clubmillionaires.com [207.148.248.143]
- famouspizzas.com [207.148.248.143]
- luxurycooking.com [207.148.248.143]

**Why do companies pay thousands of dollars for the rights to use a domain name:**

Companies pay thousands of dollars for the rights to use a domain name because having a unique and independent domain name is crucial to a company's branding and online presence. A unique domain name can help a company establish its identity and make it easier for customers to locate its website. Owning a certain domain name gives a company control and ownership over its name and can also prevent others from using similar domain names that could confuse customers.

**Why do you think a company would want more than one IP address assigned to a single name:**

One reason a company would want more than one IP address assigned to a single name is because having multiple IP addresses can help ensure that a website remains accessible even if one of the IP addresses were to go down. Another reason a company may want multiple IP addresses is because it improves website performance and reduce the risk of overload by distributing traffic across servers. I also believe companies may want more than one IP address assigned to a single name because having multiple can help prevent denial-of-service attacks by making it more difficult for attackers.

**One or more of the names on your list correspond to the same IP address, but when you type those names into your web browser, you see different pages. Why would more than one name be assigned to a single address:**

More than one name may be assigned to a single address because it could possibly be trying to load balance, where multiple domain names are used to distribute traffic across multiple servers or data centers. It could also have multiple domain names to make it easier for users to find the specific website they are looking for.