

Exercises for 03-OS

Shell

1. Start a shell (or command prompt).
2. Find out what date it is by using the shell
3. Print the value of the PATH variable. This is done in different ways depending on the underlying operating system.
4. Explain in your own words what is printed out.
5. Assign the PATH variable the value 12
6. Print the value of the PATH variable and explain in your own words what is printed out.
7. Print the value of the NOTEXIST variable
8. Explain in your own words what is printed out.
9. Assign the NOTEXIST variable the value 42
10. Print the value of the NOTEXIST variable and explain in your own words what is printed out.

Network

1. Give examples of how different computers communicate with each other.
2. If you want to send an ordinary mail you specify the recipient and the address. How do you specify the recipient of an email?

Explain the parts of the address.

3. Let's assume you want to go to a website, e.g. www.gu.se. From where does your computer get data when you tell the browser to open up that address?
4. The address, www.gu.se, is often referred to as a URL. What does URL mean?
5. In (3) your computer connects to another computer to get the information. That computer is connected using an address different from www.gu.se. How is www.gu.se translated to a so called IP address?