# Exercise on RPC

- ▶ The server provides 2 services
  - Greeting
  - Local time
- The client receives from command line an argument specifying the service to ask to the server, included the NULLPROC

- The server provides a service that multiply a couple of integer
  - Since RPC accepts only I argument, an appropriate structure must be defined
  - Along with the XDR conversion function
- Use of header file for defining the struct type and the XDR conversion function
- ▶ The client calls the procedure passing a couple of integers

- The server accept a pointer to a char, prints it and modifies it
- We must define the type "char pointer"
  - And the corresponding XDR conversion function
- Use of header file for defining the char pointer type and the XDR conversion function
- ▶ The client prints the value of the char after the call return

The server accept a string as argument and returns the overturned string

The client sends a string, receives an elaborated string and prints the received string

- The server receives:
  - The name of a file
  - The position of the byte to be read
- The server open the file, reads the byte at the specified position and returns the read byte
- ▶ The client:
  - Sends a string representing the name of a file and the position of a byte to be read
  - Receives the read byte
  - Writes the byte to a local file

- Iterate the previous exercise to transfer the content of an entire file
- Define how to manage the end of file