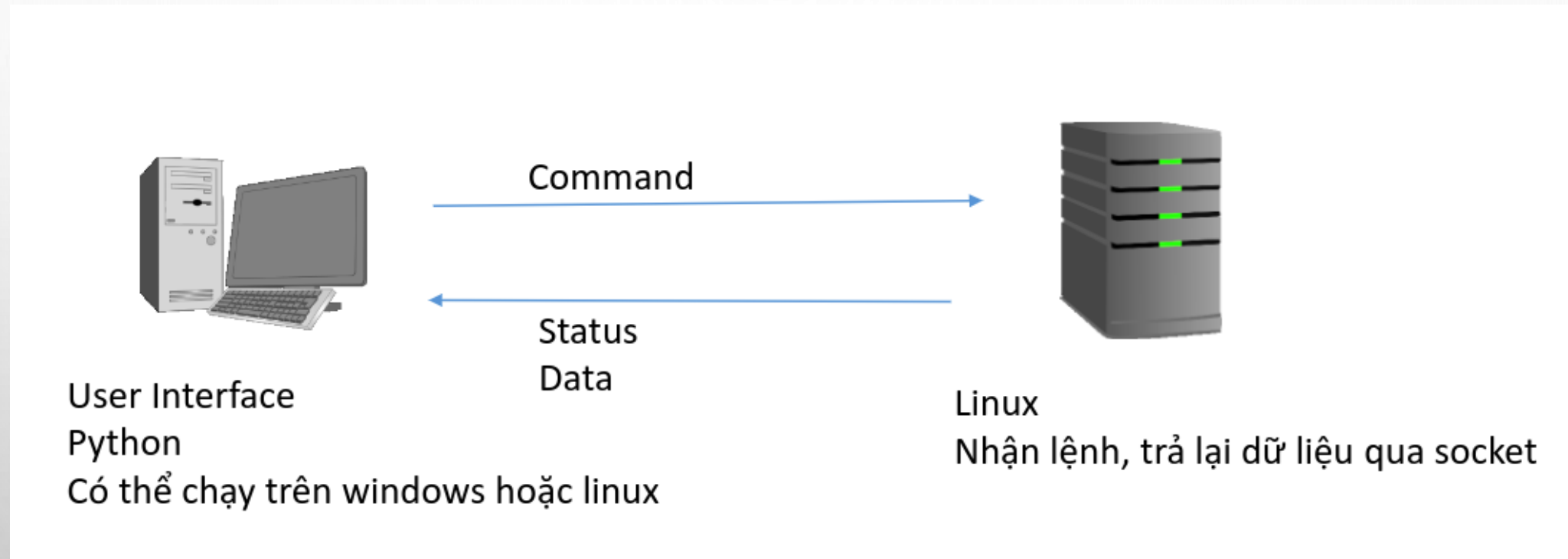




USER INTERFACE TO SEND AND RECEIVE DATA VIA SOCKET

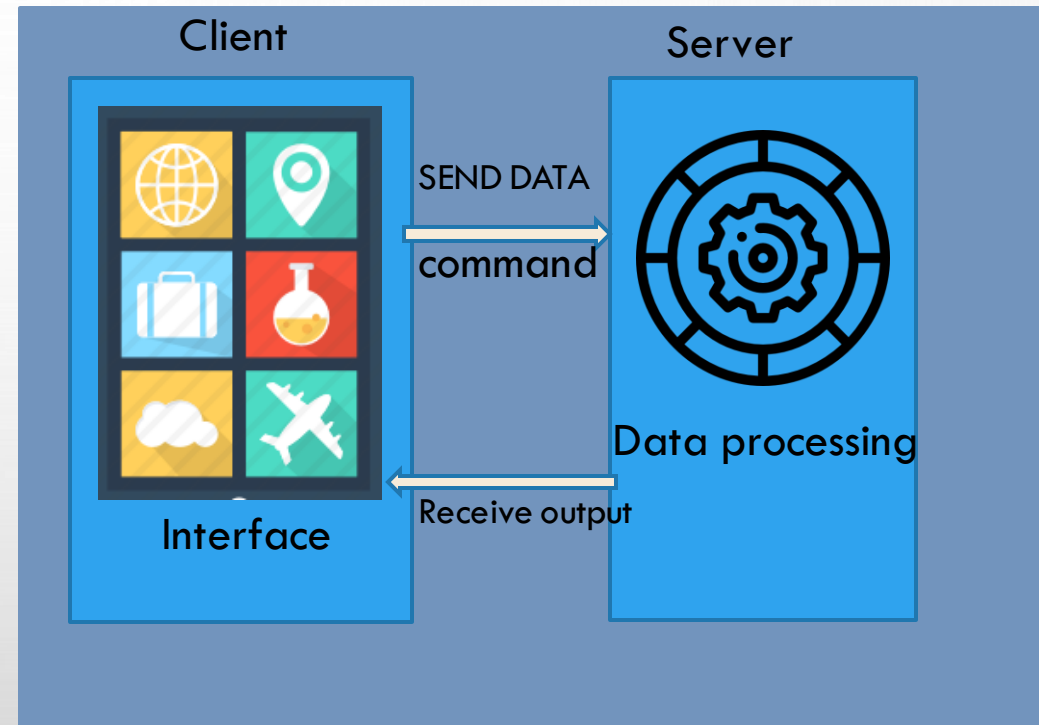
PRESENTER: MR MANH TRUONG

MODEL



ARCHITECTURE

- OPERATING SYSTEM: UBUNTU 19.10
- BACKEND: PYTHON: 3.7.5
- INTERFACE: PYGTK: REQUIRED VERSION 3.0
- SEND AND RECIEVE DATA VIA SOCKET



WHY PYTHON

- EASY TO APPLY
- MORE USEFUL SOURCE, FUNCTION
- VARIOUS OF LIBRARIES



INSTALL ENVIROMENT

- INSTALL PYTHON 3.7 (AVAILABLE IN LINUX 19.10)
 - FOR WINDOW: [HTTPS://WWW.YOUTUBE.COM/WATCH?V=4RX_JRKWAJY](https://www.youtube.com/watch?v=4RX_JRKWAJY)
- INSTALL PYGOBJECT:
 - [HTTPS://PYGOBJECT.READTHEDOCS.IO/EN/LATEST/GETTING_STARTED.HTML](https://pygobject.readthedocs.io/en/latest/getting_started.html)
 - CAN USE PYGOBJECT INSTEAD OF PYGTK IF WE ARE USING PYTHON

REFERENCE

- PYTHON GUI DEVELOPMENT WITH GTK+ 3: [HTTPS://YOUTU.BE/0O11OEP7QYW](https://youtu.be/0O11OEP7QYW)
- SOCKET PROGRAMMING: [HTTPS://REALPYTHON.COM/PYTHON-SOCKETS/](https://realpython.com/python-sockets/)
 - BASIC CLIENT AND SERVER
- SLIDE LẬP TRÌNH MAJNG: LƯƠNG ÁNH HOÀNG
- PYTHON LIB:
 - SUBPROCESS TO PROCESS DATA AND RETURN COMMAND LINE
 - GI TO IMPORT GTK 3.0
 - SOCKET LIB

The image features a light gray background with a subtle gradient. In the top-left and bottom-right corners, there are several realistic water droplets of varying sizes, rendered with soft shadows and highlights to give them a three-dimensional appearance. Centered in the upper half of the image is a faint, circular, embossed-style logo that appears to be a stylized globe or a similar abstract design.

THANKS FOR LISTENING