1.platform application architecture

client | server

2.network communication

- 1) layer: interface network transport application
- 2)protocol:mac ip tcp/udp http
- 3) packet:mac frame(mac) ip packet(ip) tcp/udp packet(port) http packet

3.source code/program structure

- ①API/driver/runtime:underlying function/class
- ②library/package/module/framework/engine:base function/class
- 3 declaration&implementation:specific function/class
- 4 flow: entry function/class

4.platform language

c/c++ java c# perl python

5.web application architecture

browser(html/css/javascript) | server(script)

6.http communication

- 1 http url
- 2) http request packet

method request-uri http-version | request-header:value | request-data

(3) http response packet

http-version status-code reason-phrase | response-header:value | response-data method:get post put delete

7.web language

presentation layer:html css

business layer:javascript flex/acrionscript **php** java-web **python** ruby

data layer:sql

8.LIB

shell: source /xx/xx . /xx/xx

perl: require /path/xx use <module> @INC perl -V export PERLLIB/PERL5LIB="/xx/xx"

python: import /xx/xx sys.path export PYTHONPATH="/xx/xx"

9.program/process

Program: data structure, logical, function, class/object

Process: self- data handling; system call – file system, database, network, web, GUI,

process/thread