System calls, some something and and o how users making requests from the System use will call API and API will eat system Call. o provide on environment for execute program · System execution mod. ouger mode (doesn't have directe acces) o kernel mode (have direct access to handwares) an ear Intertage Cour e API - Application Programming the second Co naitorogo olI (co obystem car is a programattic way in which a Computer program request a service from the kernel of 09. Application -> API -> System eall -> Service. vser of Protection & Security o reach gystem call have a number. System Call System call table -> go to location accor ding to call number ond return the value. Passing parameter from System Call, 3 main methods. Passing parameteres in registers ez: if 3 parameters there will be 3 registers **ProMate**

address of the table pass as a parameter to registers.

ond pull out in wanted times.

Types of Sy9tem calls

o Proceso Control

Create, terminate end abort

o file managment

Create, delete, open, close,

o Device managment

read, write, get, Set

be tipled to the main memory

System gervices for program devlopment e execution.

Bosan a molimentation of on

- of file management to older work
- 3) Status information
- 03) file modification
- and Communication,

Linkers & loaders

oneed linkers & loaders for program execution.

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Linker- will link all other object files to the Compiled object file and create the executable file.

Loader - Will load the executable file that created by Linker to the main memory.

in another type of program. OS,

python, clanguage, Ruby program can be written

- Compile in each and every 08.

Design & implimentation of 03.

- · Choosing the type of System
- vser gools and Bystem gools.
- o Separate policy from mechanisms

policy - What need to be done

mechanism - How to do Something.

an 03.

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