requests a service from the kernel of the Os it is executed on.

For ex, we want to access a file in a C++ program, that file will be accessed using a system call.

Categories of system calls

- (i) File related open (), read(), write(), close (), create().
- ii) Perice related read(), write(), reposition,

  ioute (input output control),

  accessing
  hardware

  fintl (file control)
- related data.

meta data

process related information (filesite, extension)

creating multiprocessing

(iv) Process control - Load, execute, abort, fork, wait, signal, allocate etc.

pipe (), create/delete connections, (12) (V) communication shinget(). pro cerses communicating with each other Fork System call vieate a child process Forh system call Forh () -> +1 parent

-1 duld x (not created) ex. moun () { forh(); printy ("Hello") fork Now, they would be parallely Hello Hello executed main() { fork(); forkesi print (Hello);

int main() {

if (fork() & fork()).

fork();

printf ("Hello");

}

ans - 4

How many fimes is hello printed. 2.

Hello C2 Hello
Hello
Hello
Hello
Hello

# L-1.10 User mode and kernel mode

Suppose there is a program in C++ that wants to read a file in Hard disk.

