SEMINAR 11 FILE DESCRIPTOR COPIES AND UNNAMED PIPES

FCNTL PROVIDES COMMANDS F_DUPFD AND F_DUPFD_CLOEXEC TO CREATE COPIES OF FILE DESCRIPTORS

DUP AND DUP2 OFFER A MORE CONVENIENT WAY

```
int dup(int oldfd);
int dup2(int oldfd, int newfd);
int dup3(int oldfd, int newfd, int flags);
```

REDIRECTING FROM/TO FILE

UNNAMED PIPE IS SIMILAR TO

PIPE IS UNIDIRECTIONAL COMMUNICATION CHANNEL

PIPE HAS A BUFFER WITH DEFAULT SIZE OF 64 KB

```
int pipe_fds[2] = {};
pipe(pipe_fds);

// now pipe_fds[0] is for read
// pipe_fds[1] is for write
```

WHEN WORKING WITH PIPES AND FD COPIES WE SHOULD BE AWARE OF POSSIBLE DEADLOCK

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