User-Level Memory Mapping

- Map len bytes starting at offset offset of the file specified by file description for preferably at address start
 - start: may be 0 for "pick an address"
 https://powcoder.com
 - prot: PROT_READ, PROT_WRITE, ...
 - flags: MAP_AMON WWE PHYMTO WAPOSTORED, ...
- Return a pointer to start of mapped area (may not be start)

User-Level Memory Mapping

file descriptor fd

```
void *mmap(void *start, int len,
            int prot, int flags, int fd, int offset)
               Assignment Project Exam Help
                                                    len bytes
                    https://powcoder.com
                                                       start
                    Add WeChat powcoder
                                                     (or address
 len bytes
                                                   chosen by kernel)
offset
(bytes)
         Disk file specified by
                                    Process virtual memory
```