Chapter 18

18.1   The following table lists the relevant system calls.

Type	System Calls
Process management	fork(), wait(), exit()
File management	open(), close(), read(), write()
Device management	mknod(), open(), mkfifo()
Information maintenance	getrlimit(), getrusage()
Communication	socket(), mkfifo(), send(), accept()

18.2   The size of PPFDT in Solaris is 256. It is defined in /usr/include/limits.h as follows:

```
#ifndef OPEN_MAX
#define OPEN_MAX  256 /* max # of files a process can have open */
#endif
```

17.3   In BSD UNIX, we have the following definitions in <limits.h>:

```
#define _POSIX_CHILD_MAX        25
#define _POSIX_OPEN_MAX         20
```

Therefore, the size of SFT on BSD is 25*20 = 500.

18.4   Do it yourself.

18.5   Do it yourself.

18.6   Here are the prototypes for the two calls. Browse through the manual pages for the calls to find details about their parameters.

```
#include <unistd.h>
int symlink(const char *name1, const char *name2);

#include <unistd.h>
ssize_t readlink(const char *restrict path, char
                     *restrict buf, size_t bufsiz);
```

18.7   No solution needed.

18.8   No solution needed.

18.9   If the file exists, its length is not set to 0. It means that the previous file contents are accessible.

18.10   No solution needed.

18.11   No solution needed.

18.12   No solution needed.

18.13 No solution needed.

18.14 Do it yourself.

18.15 No solution needed.

18.16 No solution needed.

18.17 No solution needed.