Returns c (the character written). If a write error occurs, putchar sets the stream's error indicator and returns EOF. *7.3, 22.4*

---

puts *Write String* <stdio.h>

```
int puts(const char *s);
```

Writes the string pointed to by s to the stdout stream, then writes a new-line character.

Returns A nonnegative value if successful. Returns EOF if a write error occurs. *13.3, 22.5*

---

putwc *Write Wide Character to File (C99)* <wchar.h>

```
wint_t putwc(wchar_t c, FILE *stream);
```

Wide-character version of putc. *25.5*

---

putwchar *Write Wide Character (C99)* <wchar.h>

```
wint_t putwchar(wchar_t c);
```

Wide-character version of putchar. *25.5*

---

qsort *Sort Array* <stdlib.h>

```
void qsort(void *base, size_t nmemb, size_t size,
           int (*compar)(const void *, const void *));
```

Sorts the array pointed to by base. The array has nmemb elements, each size bytes long. compar is a pointer to a comparison function. When passed pointers to two array elements, the comparison function must return a negative, zero, or positive integer, depending on whether the first array element is less than, equal to, or greater than the second. *17.7, 26.2*

---

raise *Raise Signal* <signal.h>

```
int raise(int sig);
```

Raises the signal whose number is sig.

Returns Zero if successful, nonzero otherwise. *24.3*

---

rand *Generate Pseudo-Random Number* <stdlib.h>

```
int rand(void);
```

Returns A pseudo-random integer between 0 and RAND_MAX (inclusive). *26.2*

---

realloc *Resize Memory Block* <stdlib.h>

```
void *realloc(void *ptr, size_t size);
```

ptr is assumed to point to a block of memory previously obtained from calloc, malloc, or realloc. realloc allocates a block of size bytes, copying the contents of the old block if necessary.

Returns A pointer to the beginning of the new memory block. Returns a null pointer if a block of the requested size can't be allocated. *17.3*