atanl	`long double atanl(long double x);`
Returns	Arc tangent of x: the return value is in the range –π/2 to +π/2. *23.3*

atan2   *Arc Tangent of Quotient*   `<math.h>`

```
        double atan2(double y, double x);
atan2f  float atan2f(float y, float x);
atan2l  long double atan2l(long double y, long double x);
```

Returns   Arc tangent of y/x: the return value is in the range –π to +π. A domain error may occur if x and y are both zero.   *23.3*

atanh   *Arc Hyperbolic Tangent (C99)*   `<math.h>`

```
        double atanh(double x);
atanhf  float atanhf(float x);
atanhl  long double atanhl(long double x);
```

Returns   Arc hyperbolic tangent of x. A domain error occurs if x is not between –1 and +1. A range error may occur if x is equal to –1 or +1.   *23.4*

atexit   *Register Function to Be Called at Program Exit*   `<stdlib.h>`

```
int atexit(void (*func)(void));
```

Registers the function pointed to by `func` as a termination function. The function will be called if the program terminates normally (via `return` or `exit` but not `abort`).

Returns   Zero if successful, nonzero if unsuccessful (an implementation-dependent limit has been reached).   *26.2*

atof   *Convert String to Floating-Point Number*   `<stdlib.h>`

```
double atof(const char *nptr);
```

Returns   A `double` value corresponding to the longest initial part of the string pointed to by `nptr` that has the form of a floating-point number. Returns zero if no conversion could be performed. The function's behavior is undefined if the number can't be represented.   *26.2*

atoi   *Convert String to Integer*   `<stdlib.h>`

```
int atoi(const char *nptr);
```

Returns   An `int` value corresponding to the longest initial part of the string pointed to by `nptr` that has the form of an integer. Returns zero if no conversion could be performed. The function's behavior is undefined if the number can't be represented.   *26.2*

atol   *Convert String to Long Integer*   `<stdlib.h>`

```
long int atol(const char *nptr);
```

Returns   A `long int` value corresponding to the longest initial part of the string pointed to by `nptr` that has the form of an integer. Returns zero if no conversion