locale.h

[illegible]

- [illegible]
- setlocale()
- localeconv()

[illegible]

`locale.h`[illegible]

- [illegible]
- [illegible]
- [illegible]
- [illegible]

[illegible]

- LC_COLLATE[illegible] `strcoll()`[illegible] `strxfrm()`[illegible]
- LC_CTYPE[illegible]
- LC_MONETARY[illegible]
- LC_NUMERIC[illegible] `printf()`[illegible]
- LC_TIME[illegible] `strftime()`[illegible] `wcsftime()`[illegible]
- LC_ALL[illegible]

setlocale()

`setlocale()`[illegible]

```
char* setlocale(int category, const char* locale);
```

[illegible]
[illegible] `LC_ALL`[illegible] `"C"`[illegible] `""`[illegible]

[illegible]

```
setlocale(LC_ALL, "C");
```

[illegible]

```
setlocale(LC_ALL, "");
```

[illegible]

[illegible]

```
setlocale(LC_ALL, "en_US.UTF-8");
```

[illegible]
[illegible]

`setlocale()` [illegible] NULL[illegible]

`setlocale()` [illegible] NULL [illegible]

```
char *loc;

loc = setlocale(LC_ALL, NULL);

// [illegible] Starting locale: C
printf("Starting locale: %s\n", loc);

loc = setlocale(LC_ALL, "");

// [illegible] Native locale: en_US.UTF-8
printf("Native locale: %s\n", loc);
```

localeconv()

`localeconv()` [illegible]

```
struct lconv* localeconv(void);
```

[illegible] Struct [illegible]

- char* mon_decimal_point□□□□□□□□□□□□□□□□ `.`□
- char* mon_thousands_sep□□□□□□□□□□□□□ `,`□
- char* mon_grouping□□□□□□□□□□□
- char* positive_sign□□□□□□□□□□□ `+`□□□□□□□
- char* negative_sign□□□□□□□□□□□ `-`□
- char* currency_symbol□□□□□□□□ `$`□
- char frac_digits□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ `2`□
- char p_cs_precedes□□□ `1`□□□□□□ `currency_symbol`□□□□□□□□□□□□□□ `0`□□□□□□□□
- char n_cs_precedes□□□ `1`□□□□□□ `currency_symbol`□□□□□□□□□□□□□□□ `0`□□□□□□□□
- char p_sep_by_space□□□□□□□□□□□□□□□□□□□□□□□□□□□
- char n_sep_by_space□□□□□□□□□□□□□□□□□□□□□□□□□□□
- char p_sign_posn□□□□□□□□□□□□□□□□□
- char n_sign_posn□□□□□□□□□□□□□□□□□
- char* int_curr_symbol□□□□□□□□□□□□ `USD`□
- char int_frac_digits□□□□□□□□□□ `frac_digits`□□□
- char int_p_cs_precedes□□□□□□□□□□ `p_cs_precedes`□□□
- char int_n_cs_precedes□□□□□□□□□□ `n_cs_precedes`□□□
- char int_p_sep_by_space□□□□□□□□□□ `p_sep_by_space`□□□
- char int_n_sep_by_space□□□□□□□□□□ `n_sep_by_space`□□□
- char int_p_sign_posn□□□□□□□□□□ `p_sign_posn`□□□
- char int_n_sign_posn□□□□□□□□□□ `n_sign_posn`□□□

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```
#include <stdio.h>
#include <locale.h>
#include <string.h>

int main ()
{
    setlocale (LC_ALL,"zh_CN");
    struct lconv * lc;
    lc=localeconv();
    printf ("decimal_point: %s\n",lc->decimal_point);
    printf ("thousands_sep: %s\n",lc->thousands_sep);
    printf ("grouping: %s\n",lc->grouping);
    printf ("int_curr_symbol: %s\n",lc->int_curr_symbol);
    printf ("currency_symbol: %s\n",lc->currency_symbol);
    printf ("mon_decimal_point: %s\n",lc->mon_decimal_point);
    printf ("mon_thousands_sep: %s\n",lc->mon_thousands_sep);
    printf ("mon_grouping: %s\n",lc->mon_grouping);
    printf ("positive_sign: %s\n",lc->positive_sign);
```

```
    printf ("negative_sign: %s\n",lc->negative_sign);
    printf ("frac_digits: %d\n",lc->frac_digits);
    printf ("p_cs_precedes: %d\n",lc->p_cs_precedes);
    printf ("n_cs_precedes: %d\n",lc->n_cs_precedes);
    printf ("p_sep_by_space: %d\n",lc->p_sep_by_space);
    printf ("n_sep_by_space: %d\n",lc->n_sep_by_space);
    printf ("p_sign_posn: %d\n",lc->p_sign_posn);
    printf ("n_sign_posn: %d\n",lc->n_sign_posn);
    printf ("int_frac_digits: %d\n",lc->int_frac_digits);
    printf ("int_p_cs_precedes: %d\n",lc->int_p_cs_precedes);
    printf ("int_n_cs_precedes: %d\n",lc->int_n_cs_precedes);
    printf ("int_p_sep_by_space: %d\n",lc->int_p_sep_by_space);
    printf ("int_n_sep_by_space: %d\n",lc->int_n_sep_by_space);
    printf ("int_p_sign_posn: %d\n",lc->int_p_sign_posn);
    printf ("int_n_sign_posn: %d\n",lc->int_n_sign_posn);

    return 0;
}
```

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