

C LIBRARY FUNCTION - LOCALECONV

http://www.tutorialspoint.com/c_standard_library/c_function_localeconv.htm

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Description

The C library function **struct lconv *localeconv** sets or reads location dependent information. These are returned in an object of the **lconv** structure type.

Declaration

Following is the declaration for localeconv function.

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

Parameters

- NA

Return Value

This function returns a pointer to a **struct lconv** for the current locale, which has the following structure –

```
typedef struct {
    char *decimal_point;
    char *thousands_sep;
    char *grouping;
    char *int_curr_symbol;
    char *currency_symbol;
    char *mon_decimal_point;
    char *mon_thousands_sep;
    char *mon_grouping;
    char *positive_sign;
    char *negative_sign;
    char int_frac_digits;
    char frac_digits;
    char p_cs_precedes;
    char p_sep_by_space;
    char n_cs_precedes;
    char n_sep_by_space;
    char p_sign_posn;
    char n_sign_posn;
} lconv
```

Example

The following example shows the usage of localeconv function.

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

int main ()
{
    struct lconv * lc;

    setlocale(LC_MONETARY, "it_IT");
    lc = localeconv();
    printf("Local Currency Symbol: %s\n", lc->currency_symbol);
    printf("International Currency Symbol: %s\n", lc->int_curr_symbol);

    setlocale(LC_MONETARY, "en_US");
    lc = localeconv();
    printf("Local Currency Symbol: %s\n", lc->currency_symbol);
```

```

printf("International Currency Symbol: %s\n",lc->int_curr_symbol);

setlocale(LC_MONETARY, "en_GB");
lc = localeconv();
printf ("Local Currency Symbol: %s\n",lc->currency_symbol);
printf ("International Currency Symbol: %s\n",lc->int_curr_symbol);

printf("Decimal Point = %s\n", lc->decimal_point);

return 0;
}

```

Let us compile and run the above program that will produce the following result –

```

Local Currency Symbol: EUR
International Currency Symbol: EUR
Local Currency Symbol: $
International Currency Symbol: USD
Local Currency Symbol: £
International Currency Symbol: GBP
Decimal Point =

```

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