C library function - localeconv()

Description

The C library function **struct lconv *localeconv(void)** 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.

```c
#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 = .
```