This is part of **Family API** which allow to create dual-os version of program runs under OS/2 and DOS

**Note:** This is legacy API call. It is recommended to use 32-bit equivalent

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# DosGetCollate

This call obtains a collating sequence table (for characters hex 00H through FFH) that resides in the country information file. It is used by the SORT utility to sort text according to the collating sequence.

## Syntax

```
DosGetCollate (Length, Country, MemoryBuffer, DataLength)
```

## Parameters

- Length (USHORT) - input: Length, in bytes, of the data area (MemoryBuffer). A length value of 256 is sufficient.
- Country (PCOUNTRYCODE) - input: Address of the country information structure
- MemoryBuffer (PCHAR) - output: Address of the collating table. This memory area is provided by the caller. The size of the area is provided by the input parameter Length. If it is too small to hold all the available information then as much information as possible is provided in the available space (in the order that the data would appear). If the amount of returned data does not fill the memory area provided by the caller, the unaltered memory is set at 0.

The buffer format for the returned information is:

| Byte | Description |
|---|---|
| 0 | Sort weight of ASCII (0) |
| 1 | Sort weight of ASCII (1) |
| . | |
| . | |
| . | |
| 255 | Sort weight of ASCII (255) |

- DataLength (PUSHORT) - output : Address of the length, in bytes, of the collate table.

## Returns

rc (USHORT) - return:Return code descriptions are:

- 0 NO_ERROR
- 396 ERROR_NLS_NO_COUNTRY_FILE
- 397 ERROR_NLS_OPEN_FAILED
- 398 ERROR_NO_COUNTRY_OR_CODEPAGE
- 399 ERROR_NLS_TABLE_TRUNCATED

# Remarks

The returned country-dependent information can be for the default country and current process code page or for a specific country and code page. For more information see DosSetCp.

# Bindings

## C

```
typedef struct _COUNTRYCODE {   /* ctryc */

  USHORT country;               /* country code */
  USHORT codepage;              /* code page */

} COUNTRYCODE;

#define INCL_DOSNLS

USHORT  rc = DosGetCollate(Length, Structure, MemoryBuffer, DataLength);

USHORT           Length;        /* Length of data area provided */
PCOUNTRYCODE     Structure;     /* Input data structure */
PCHAR            MemoryBuffer;  /* Collate table (returned) */
PUSHORT          DataLength;    /* Length of collate table (returned) */

USHORT           rc;            /* return code */
```

## MASM

```
COUNTRYCODE struc
  ctryc_country   dw  ? ;country code
  ctryc_codepage  dw  ? ;code page
COUNTRYCODE ends

EXTRN  DosGetCollate:FAR
INCL_DOSNLS         EQU 1

PUSH   WORD    Length        ;Length of data area provided
```

```
PUSH@  OTHER   Structure     ;Input data structure
PUSH@  OTHER   MemoryBuffer  ;Collate table (returned)
PUSH@  WORD    DataLength    ;Length of collate table (returned)
CALL   DosGetCollate

Returns WORD
```

# Example

This example gets a collating sequence table for codepage 850 and the current country.

```
#define INCL_DOSNLS
#define CURRENT_COUNTRY 0
#define NLS_CODEPAGE 850

COUNTRYCODE Country;
CHAR        CollBuffer[256];
USHORT      Length;
USHORT      rc;

 Country.country = CURRENT_COUNTRY;
 Country.codepage = NLS_CODEPAGE;

 rc = DosGetCollate(sizeof(CollBuffer), /* Length of data area provided */
                    &Country,           /* Input data structure */
                    CollBuffer,         /* Data area to contain collate
table */
                    &Length);           /* Length of table */
```

| **Family API** | | |
|---|---|---|
| DOS | Process Manager | DosBeep DosExit DosSleep DosExecPgm |
| | File Manager | DosChDir DosChgFilePtr DosClose DosDelete DosDupHandle DosMkDir DosMove DosQCurDir DosQCurDisk DosSetFileMode DosOpen DosQFileInfo DosRead DosQFileMode DosQFSInfo DosQVerify DosRmDir DosSelectDisk DosFindClose DosFindFirst DosFindNext DosSetFileInfo DosSetVerify DosWrite DosFileLocks DosSetFHandState DosNewSize DosBufReset DosQFHandState DosSetFSinfo DosShutdown |
| | Memory Manager | DosFreeSeg DosSubAlloc DosSubFree DosSubSet DosAllocHuge DosAllocSeg DosReallocHuge DosReallocSeg DosGetHugeShift DosCreateCSAlias |
| | NLS | DosCaseMap DosGetCtryInfo DosGetDBCSEv DosSetCtryCode DosGetCollate DosGetMessage DosInsMessage DosPutMessage |
| | Date and Time | DosSetDateTime DosGetDateTime |
| | Devices | DosDevConfig DosDevIOCtl DosDevIOCtl2 |
| | Signals | DosHoldSignal DosSetSigHandler |
| | Misc | BadDynLink DosGetEnv DosGetMachineMode DosGetVersion DosError DosErrClass DosSetVec |
| KBD | | KbdCharIn KbdFlushBuffer KbdGetStatus KbdSetStatus KbdStringIn KbdPeek |

| **Family API** | |
|---|---|
| VIO | VioGetBuf VioGetConfig VioGetCurPos VioGetCurType VioGetPhysBuf VioReadCellStr VioReadCharStr VioScrollUp VioScrollDn VioScrollLf VioScrollRt VioScrUnLock VioSetCurPos VioSetCurType VioSetMode VioGetMode VioShowBuf VioWrtCellStr VioWrtCharStr VioWrtCharStrAtt VioWrtNAttr VioWrtNCell VioWrtNChar VioWrtTTY VioScrLock VioPopUp |
| Tools | BIND |
| Modules | DOSCALLS.DLL VIOCALLS.DLL KBDCALLS.DLL MSG.DLL |
| Libraries | API.LIB OS2386.LIB FAPI.LIB DOSCALLS.LIB SUBCALLS.LIB |

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