

Fortran 95 Module Str\_Pack  
Version 19  
by NARAHARA Takashi on Mar/11/2006

Permission to use, copy, modify and distribute this software and its documentation for any purpose is hereby granted without fee provided that the name of NARAHARA Takashi NOT be appeared.

This material is provided AS IS, with absolutely no warranty expressed or implied. Any use is at your own risk.

Str\_Pack is Fortran 95 Module to manipulate string (alphanumeric text)  
All routines similar to the routines in StrPak of FLIB by Rob Stewart of Kansas State University are written newly in Fortran 95.  
Str\_Pack includes the following functions and subroutines.

Str_Pack	similar to
add_mark_and_str	SP_CATSTR
add_str_div_dbl	CATR8N
add_str_divflt	CATR4N
add_str_div_int	CAT14N
concatenate_str	STR_ADD
convert_str_to_dbl	STR_GETR8N
convert_str_toflt	STR_GETR4N
convert_str_to_int	STR_GET14N
copy_str	STR_COPY
copy_str_r	STR_COPY
count_chr	CHR_CNT
count_chr_r	CHR_REP
decode_to_std_spc	FMT_D4RN
del_chr	CHR_DELETE
delete_like_str	STR_DAS
delete_same_str	STR_DXS
exchange_chr	CHR_X2L
fill_str	STR_FILL
filter_spaces	SQUEEZE (a bug may be in SQUEEZE)
find_pos_of_like_str	STR_FAM
find_pos_of_same_str	STR_FXM
insert_str	STR_INSERT
is_alphabetic	CHR_ILET
is_alphanumeric	CHR_ILON
is_chr_like	CHR_IMAT
is_digit	CHR_INUM
is_lcl	CHR_ILC
is_like_c_in_str	STR_IMAT
is_prn	CHR_IPRN
is_same_c_in_str	STR_IMAT
is_ucl	CHR_IUC
get_token	TOKEN (with poor specification)
juggle_word	STR_XWORD
len_trim_str	LENTRIM
pick_token	PARSE (with poor specification)
put_dbl_to_str	PUTR8N
putflt_to_str	PUTR4N
put_int_to_str	PUT14N
put_just_str	SP_PUTSTR
replace_chr	CHR_SAR
replace_chrs	CHR_RMI
replace_like_str	STR_RAS
replace_same_str	STR_RXS
reverse_str_trim	STR_XLET
scan_str	STR_SCAN
shift_str_l	STR_SHFT
shift_str_r	STR_SHFT
strip_str	STRIP
to_lower	TRANLC
to_upper	TRANUC
trim_str	STR_TRIM
write_dbl_to_str	WRTR8N

```
writeflt_to_str      WRTR4N  
writeint_to_str      WRTI4N
```

In Str\_Pack, DEL (ASCII code 127) is treated as a printable character.  
And, ASCII code of an unprintable character is less than 33 or greater  
than 254.

Str\_Pack uses module Dcl\_Cnst to define the kind of variables.

---

Limited technical support for the Str\_Pack is available, as time and  
energy permit, by contacting NAKI at [naoki@naoki.co.jp](mailto:naoki@naoki.co.jp). Please report  
all bugs (or suspected bugs) in the Str\_Pack to the same.

Comments or suggestions for future improvements in the software or  
documentation are also welcome.

---

Str\_Pack.exe includes Str\_Pack.f95, Dcl\_Cnst.f95 and this Str\_Pack.txt

---