NAME

    ERR_load_strings, ERR_PACK, ERR_get_next_error_library - load arbitrary error strings

SYNOPSIS

    #include <openssl/err.h>

    int ERR_load_strings(int lib, ERR_STRING_DATA *str);

    int ERR_get_next_error_library(void);

    unsigned long ERR_PACK(int lib, int func, int reason);

DESCRIPTION

    ERR_load_strings() registers error strings for library number **lib**.

    str is an array of error string data:

```
typedef struct ERR_string_data_st
{
    unsigned long error;
    char *string;
} ERR_STRING_DATA;
```

    The error code is generated from the library number and a function and reason code: **error** = ERR_PACK(**lib**, **func**, **reason**). **ERR_PACK()** is a macro.

    The last entry in the array is {0,0}.

    ERR_get_next_error_library() can be used to assign library numbers to user libraries at run time.

RETURN VALUES

    ERR_load_strings() returns 1 for success and 0 for failure. **ERR_PACK()** returns the error code.
    ERR_get_next_error_library() returns zero on failure, otherwise a new library number.

SEE ALSO

    ERR_load_strings(3)

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