

In the code we have used several functions which are used for handling input, displaying characters on a shell, and performing operations related to strings and numbers. It consists of several functions, each function serving a specific purpose.

Defined functions:

1. `get_string` Function:

This function reads a string from a global buffer(Buffer). Key points include:

It initializes a counter (i) and reads characters from the buffer until a space or null character is encountered.

It checks if the buffer is empty or if the index exceeds a limit, calling an external function `get_line` if necessary.

2. `get_num` Function:

This function interprets a string as a number (positive or negative) and returns the corresponding integer value. Key features include:

It utilizes the `get_string` function to obtain a string.

It converts the string to a negative integer if the first character is a minus sign.

It converts the string to a positive integer otherwise.

3. `reverse` Function:

This function reverses the characters in a given string.

4. `print_num` Function:

This function converts an integer to a string, reverses the string, and prints it. Key features include:

It uses a local buffer to store the string representation of the number.

It checks if the number is negative and adjusts accordingly.

It reverses the string using the reverse function before printing it using an external function `print_string`.

5. Conclusion:

The final code exhibits functionality related to handling input, displaying characters.