

Program to take string as input in c programming.



```
#include <stdio.h>

#define MAX_LENGTH 100

int main() {
    char input[MAX_LENGTH];

    printf("Enter a string: ");
    scanf("%s", input);

    printf("You entered: %s\n", input);

    return 0;
}
```

Explanation:

1. The `#include <stdio.h>` line includes the standard input/output library, which provides functions like `printf()` and `scanf()`.
2. The `#define MAX_LENGTH 100` line is a preprocessor directive that defines a constant named `MAX_LENGTH` with a value of 100. This constant will be used to specify the maximum length of the string.
3. The `main()` function is the entry point of the program.
4. The `char input[MAX_LENGTH];` line declares an array named `input` with a size of `MAX_LENGTH`. This means the input array can hold a string of up to 100 characters (including the null terminator).
5. The `printf()` function displays the message "Enter a string: " to prompt the user for

input.

6. The scanf() function with the %s format specifier is used to read a string from the user's input. The %s format specifier is used to read a string without spaces. The string is stored in the input array.
7. The printf() function displays the message "You entered: " followed by the value stored in the input array, using the %s format specifier.
8. The return 0; statement indicates the successful completion of the main() function, and the program terminates.

C Output

```
Enter a string: EasyExamNotes.com
You entered: EasyExamNotes.com
```

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