C User Input

Topics : C
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In C, you can take input from the user using the `scanf()` function. Here's an example code snippet that takes an integer input from the user and prints it on the console:

```c
#include <stdio.h>

int main() {
    int num;

    printf("Enter an integer: ");
    scanf("%d", &num);

    printf("You entered: %d", num);

    return 0;
}
```

Let's go over this code line by line:

- We first include the standard input/output library `stdio.h`.
- In the `main()` function, we declare an integer variable called `num`.
- We then print a message asking the user to enter an integer using the `printf()` function.
- We use the `scanf()` function to read the integer input from the user and store it in the `num` variable. The & operator is used to get the address of the variable `num`.
- Finally, we print the entered value of `num` using the `printf()` function.

You can use similar logic to take input of other data types like float, double, char, string, etc.