How to look at next char of current pointer of input stream in C++?

[intro]

cin.peek()

cin.peek() can peek the next char of current pointer (which points the current char for reading )of input stream in C++?

[namespace]

std

[library]

<iostream>

[code]

#include <iostream>

#include <string>

#include <cctype>

using namespace std;

int main ()

{

cout << "Please, enter a number or a word: ";

std::cout.flush(); // ensure output is written

cin >> std::ws; // eat up any leading white spaces

int c = std::cin.peek(); // peek character

if ( c == EOF )

return 1;

if ( std::isdigit(c) )

{

int n;

cin >> n;

cout << "You entered the number: " << n << '\n';

}

else

{

string str;

cin >> str;

cout << "You entered the word: " << str << '\n';

}

return 0;

}

[input 1]

2

[result 1]

Please, enter a number or a word:

You entered the number: 2

[input 2]

34567

[result 2]

Please, enter a number or a word:

You entered the number: 34567

[input 3]

234dcfevrbvef

[result 3]

Please, enter a number or a word:

You entered the number: 234

[input 4]

awere23456

[result 4]

Please, enter a number or a word:

You entered the word: awere23456

[input 5]

12w3ert ergthyju76

[result 5]

Please, enter a number or a word:

You entered the number: 12

[input 6]

asdrt54

[result 6]

Please, enter a number or a word:

You entered the word: asdrt54

[ref]

<https://cplusplus.com/reference/istream/istream/peek/>