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*****		
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**		**
**	test.cc listing	**
**		**
*****		
*****		
#include <iostream>		
using namespace std;		
//Can also use "int" type to return true/false		
bool user_says_yes();		
int main(){		
//Ask user question		
cout << "Do you enjoy cake? Y/N: ";		
//Output based on user response		
if (user_says_yes())		
cout << "You enjoy cake!" << endl;		
else		
cout << "You hate cake!" << endl;		
}		
//Checks user input to ensure correct type/data has been inputted		
//Returns bool "true" if user says yes, bool "false" if user says no		
bool user_says_yes(){		
char userinput;            //input - response to y/n question		
cin >> userinput;		
//Input validation		
while (!(userinput == 'Y')    (userinput == 'y')		
(userinput == 'N')    (userinput == 'n')){		
cout << "Bad input; "		
<< "Type Y/y for Yes, N/n for No; "		
<< "Please try again: ";		
cin >> userinput;		
}		
//return result		
if ((userinput == 'Y')    (userinput == 'y'))		
return true;          //ANY NUMBER other than '0' also means true		
else		
return false;        //'0' also means same as "false"		
}		

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*****		
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**		**
**	test.cc compilation	**
**		**
*****		
*****		
c++ compilation succeeded		

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***** ***** ** ** test.cc execution - unstructured testcase 1 [#1] ** ***** ***** Do you enjoy cake? Y/N: Y You enjoy cake!		

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***** ***** ** ** test.cc execution - unstructured testcase 2 [#2] ** ***** ***** Do you enjoy cake? Y/N: y You enjoy cake!		

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*****		
*****		
**		**
**	test.cc execution - unstructured testcase 3 [#3]	**
**		**
*****		
*****		
Do you enjoy cake? Y/N: N		
You hate cake!		

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*****		
*****		
**		**
**	test.cc execution - unstructured testcase 4 [#4]	**
**		**
*****		
*****		
Do you enjoy cake? Y/N: n		
You hate cake!		

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*****
*****
**                               **
**      test.cc execution - unstructured testcase 5 [#5]      **
**                               **
*****
*****
Do you enjoy cake? Y/N: a
Bad input; Type Y/y for Yes, N/n for No; Please try again: b
Bad input; Type Y/y for Yes, N/n for No; Please try again: c
Bad input; Type Y/y for Yes, N/n for No; Please try again: d
Bad input; Type Y/y for Yes, N/n for No; Please try again: e
Bad input; Type Y/y for Yes, N/n for No; Please try again: f
Bad input; Type Y/y for Yes, N/n for No; Please try again: l
Bad input; Type Y/y for Yes, N/n for No; Please try again: 2
Bad input; Type Y/y for Yes, N/n for No; Please try again: 3
Bad input; Type Y/y for Yes, N/n for No; Please try again: 4
Bad input; Type Y/y for Yes, N/n for No; Please try again: 5
Bad input; Type Y/y for Yes, N/n for No; Please try again: $
Bad input; Type Y/y for Yes, N/n for No; Please try again: .
Bad input; Type Y/y for Yes, N/n for No; Please try again: T
Bad input; Type Y/y for Yes, N/n for No; Please try again: [
Bad input; Type Y/y for Yes, N/n for No; Please try again: =
Bad input; Type Y/y for Yes, N/n for No; Please try again: ^
Bad input; Type Y/y for Yes, N/n for No; Please try again: AB
Bad input; Type Y/y for Yes, N/n for No; Please try again: Bad input; Type Y/y f
or Yes, N/n for No; Please try again: 123
Bad input; Type Y/y for Yes, N/n for No; Please try again: Bad input; Type Y/y f
or Yes, N/n for No; Please try again: Bad input; Type Y/y for Yes, N/n for No; P
lease try again: 12Y
Bad input; Type Y/y for Yes, N/n for No; Please try again: Bad input; Type Y/y f
or Yes, N/n for No; Please try again: You enjoy cake!

```