AMERICAN INTERNATIONAL UNIVERSITY–BANGLADESH (AIUB)
FACULTY OF SCIENCE & TECHNOLOGY

COMPILAR DESIGN
Section: G
Lab 3

Submitted By

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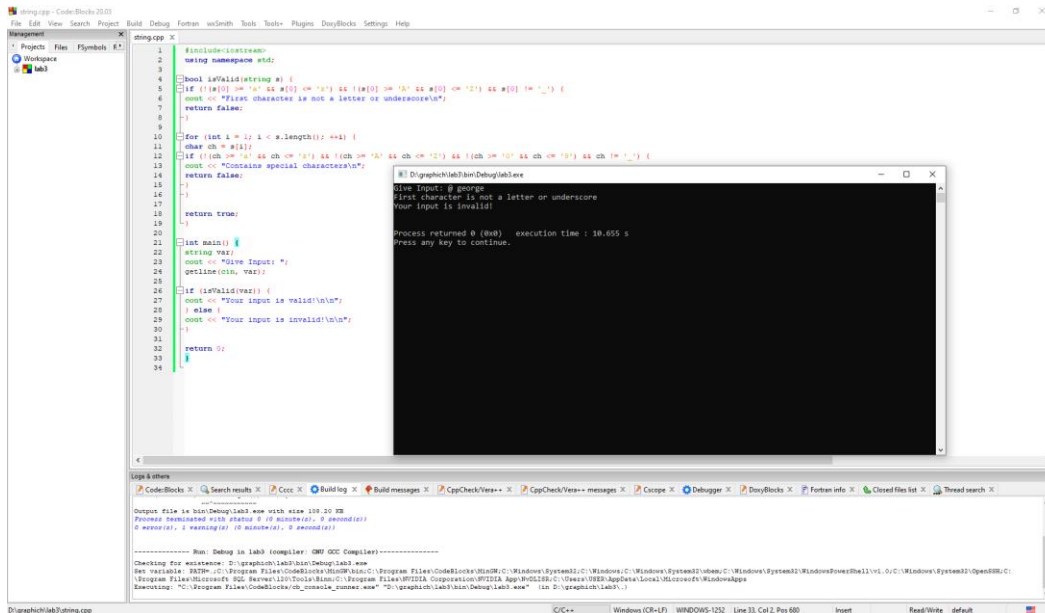Id: 21-44453-1

Code :

```cpp
#include<iostream>
using namespace std;

bool isValid(string s) {
if (!(s[0] >= 'a' && s[0] <= 'z') && !(s[0] >= 'A' && s[0] <= 'Z') && s[0] != '_') {
cout << "First character is not a letter or underscore\n";
return false;
}
for (int i = 1; i < s.length(); ++i) {
char ch = s[i];
if (!(ch >= 'a' && ch <= 'z') && !(ch >= 'A' && ch <= 'Z') && !(ch >= '0' && ch <= '9') && ch != '_') {
cout << "Contains special characters\n";
return false;
}
}
return true;
}
int main() {
string var;
cout << "Give Input: ";
getline(cin, var);

if (isValid(var)) {
cout << "Your input is valid!\n\n";
} else {
cout << "Your input is invalid!\n\n";
}
return 0;
}
```
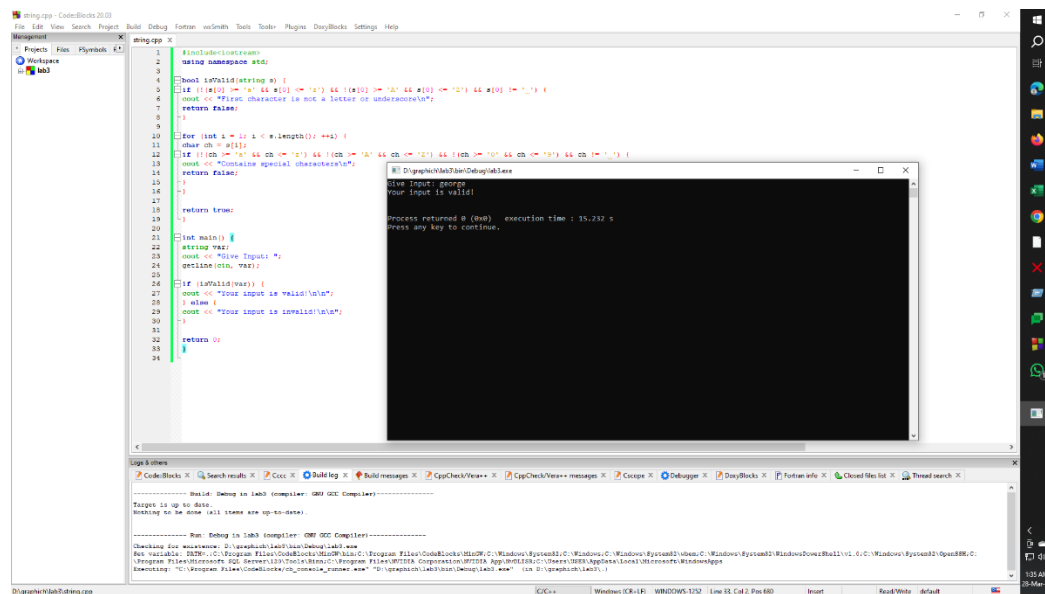
**Output:-**

Figure: If characters were entered, a invalid output will be displayed.

Figure: If characters were not entered, a valid output will be displayed.