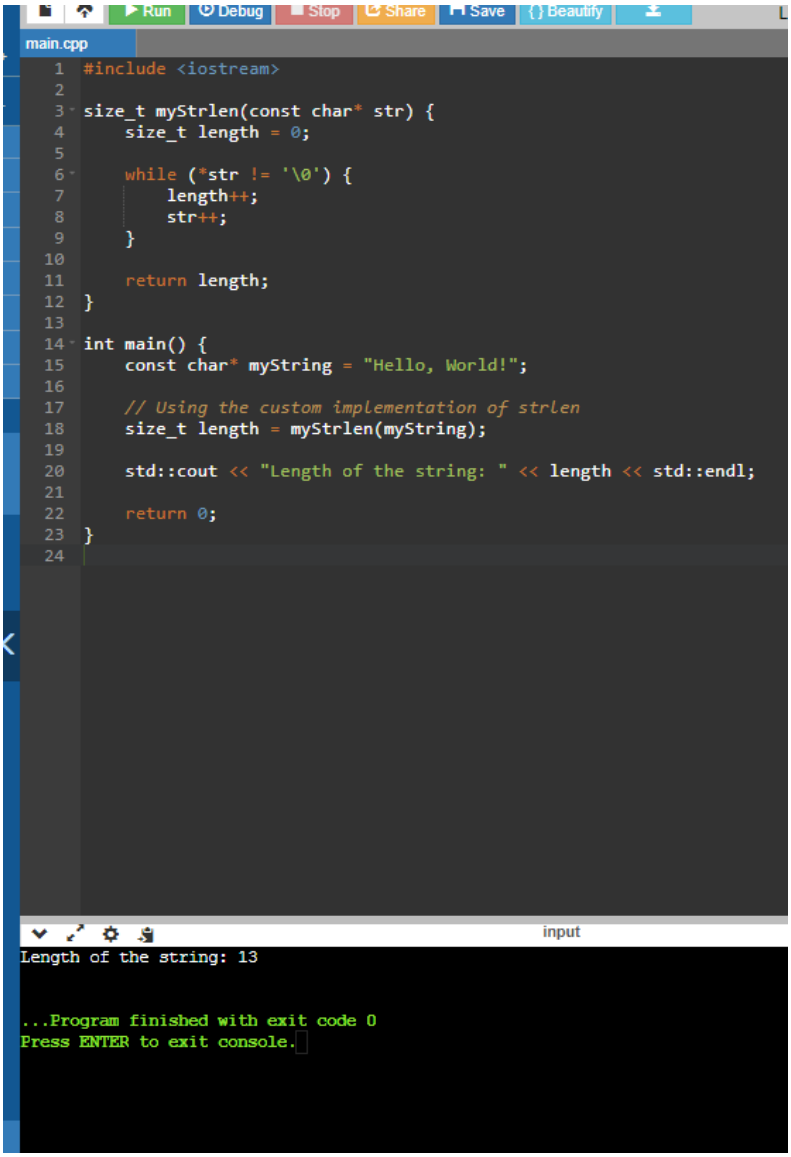
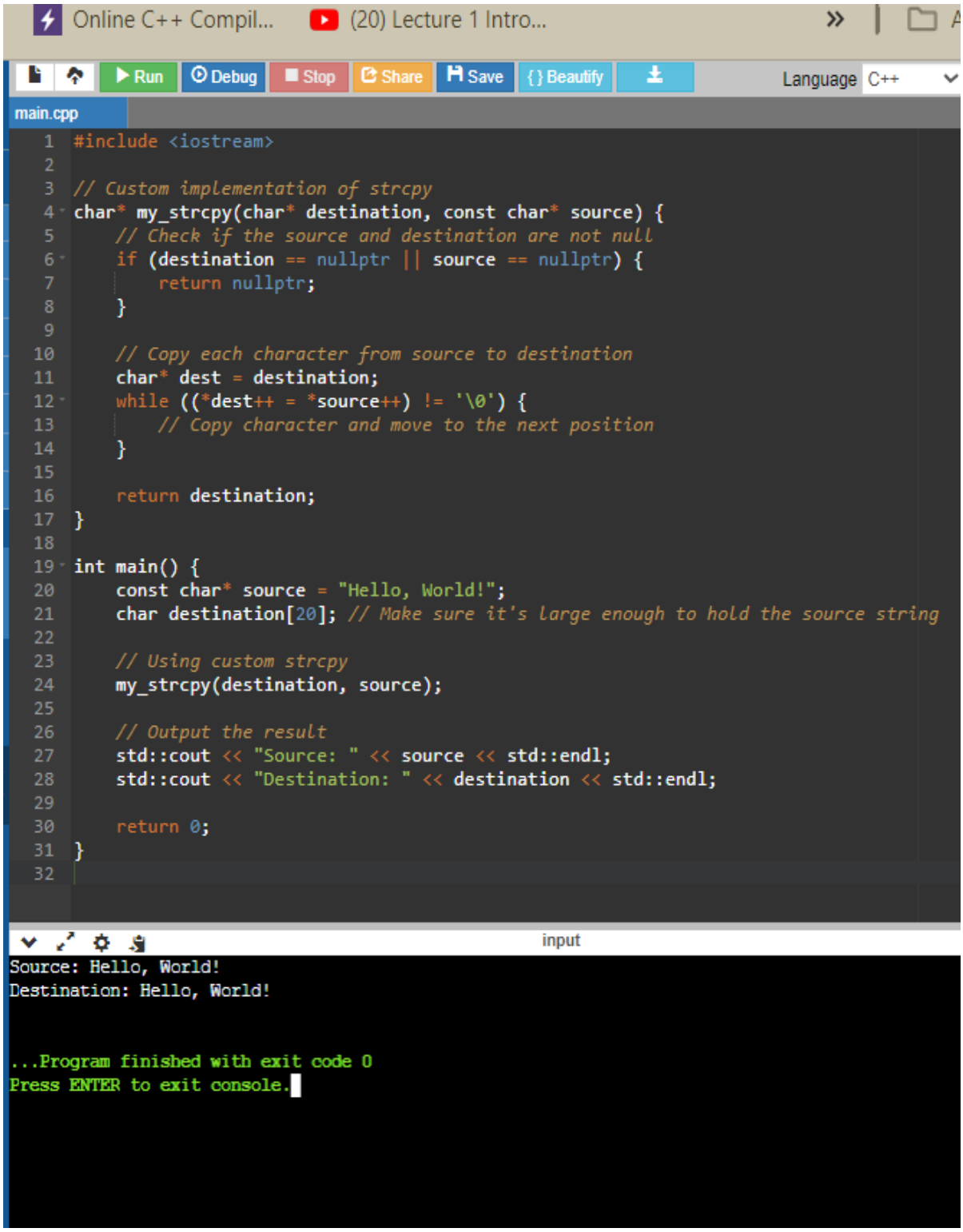
KANISHK BEHL
102105058
3EIC-2

DSA ASSIGN-3

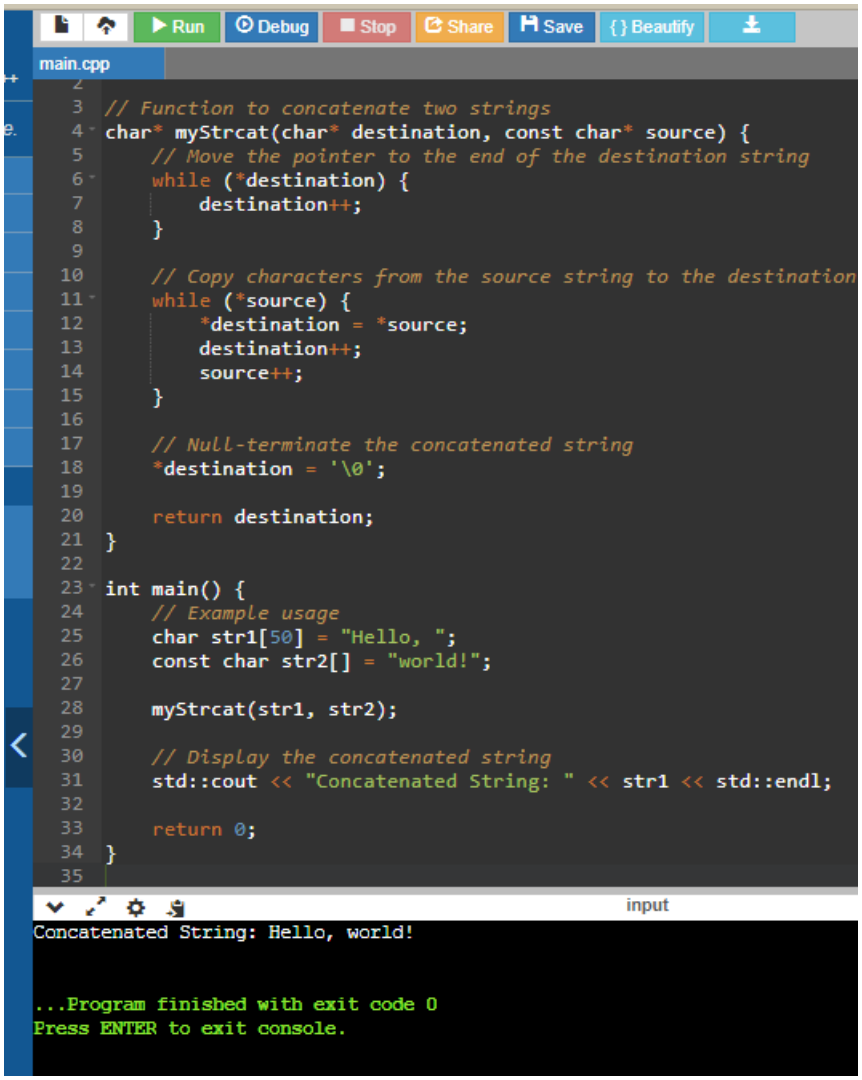
WAP a program to impement strlen() function.



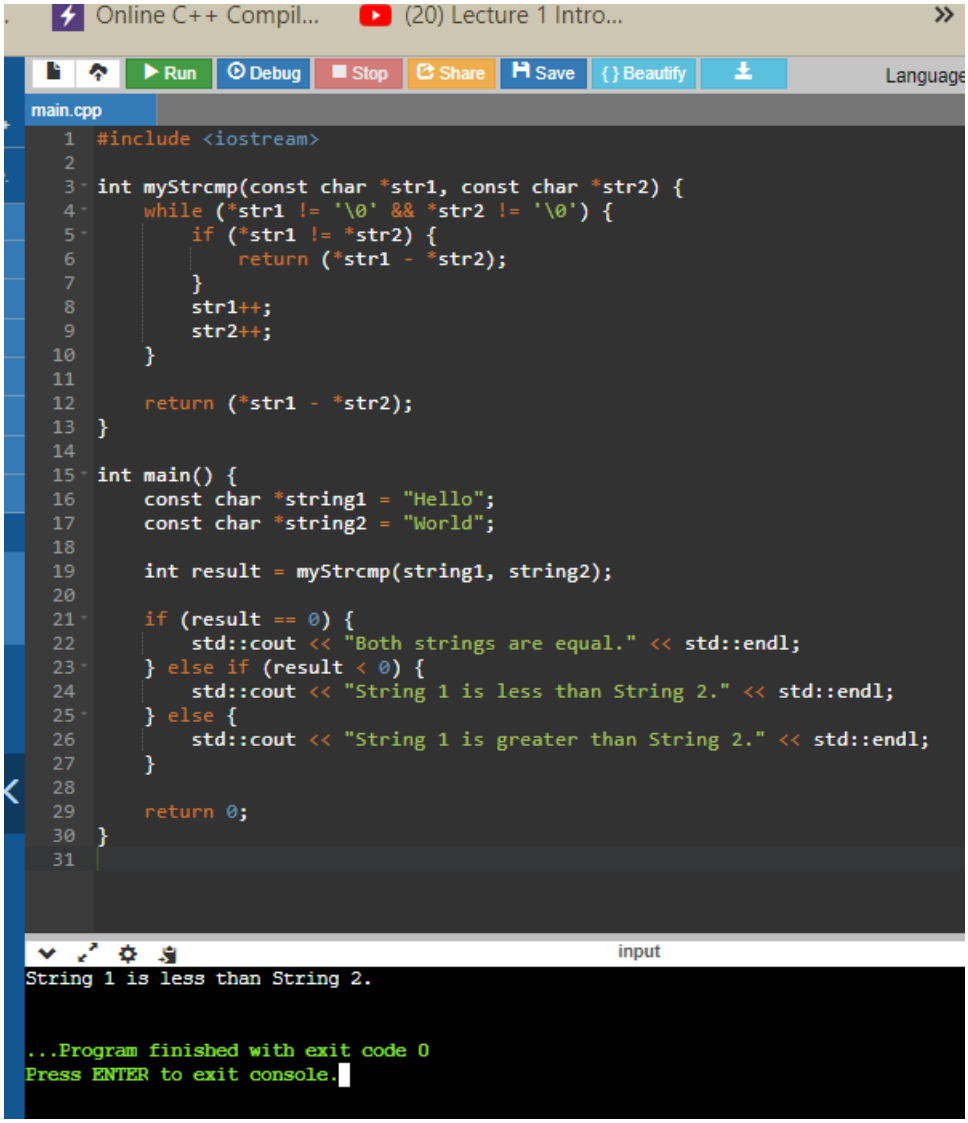
WAP to impement strcpy() function.



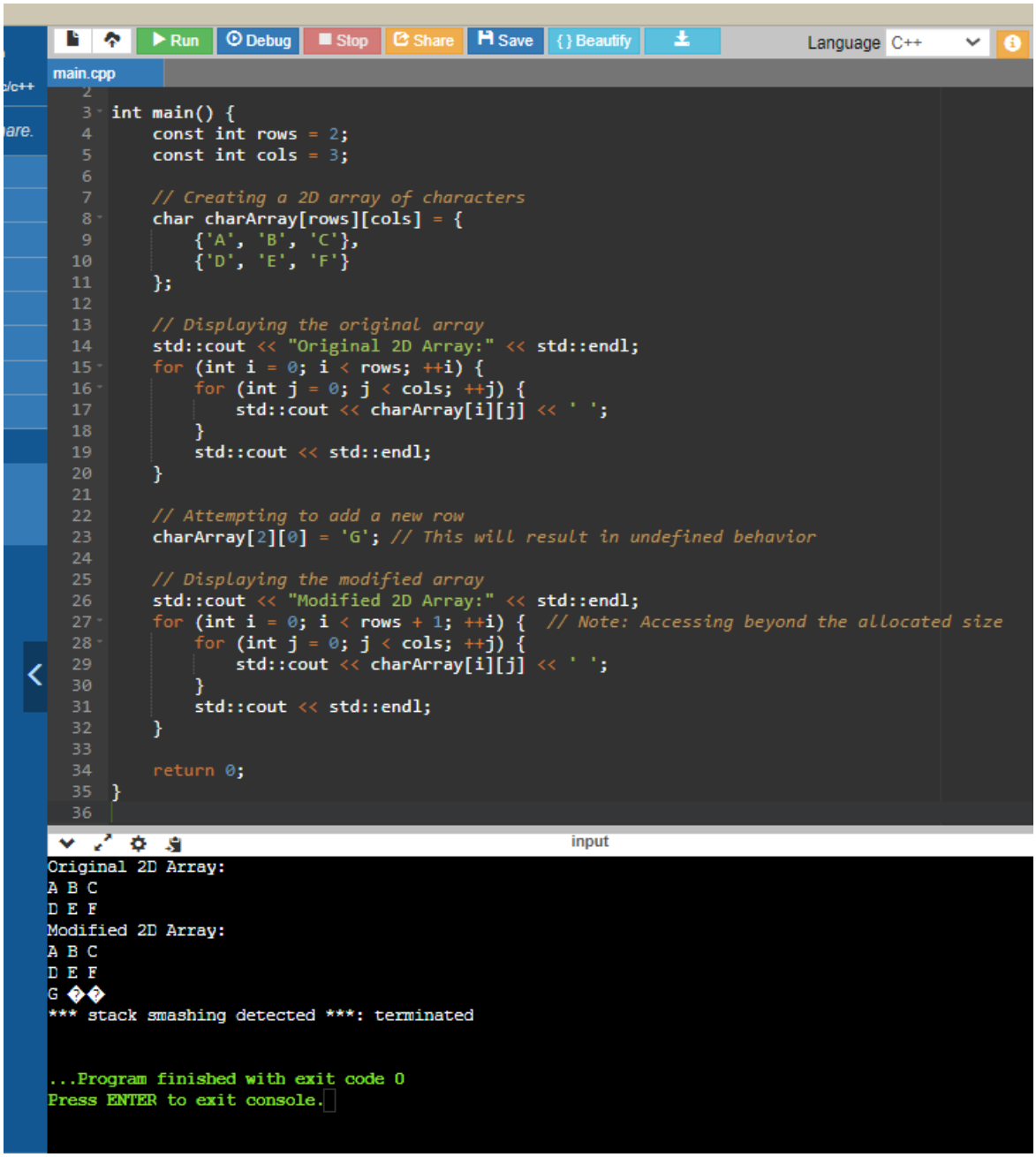
WAP A PROGRAM TO IMPLEMENT STRCAT() function.



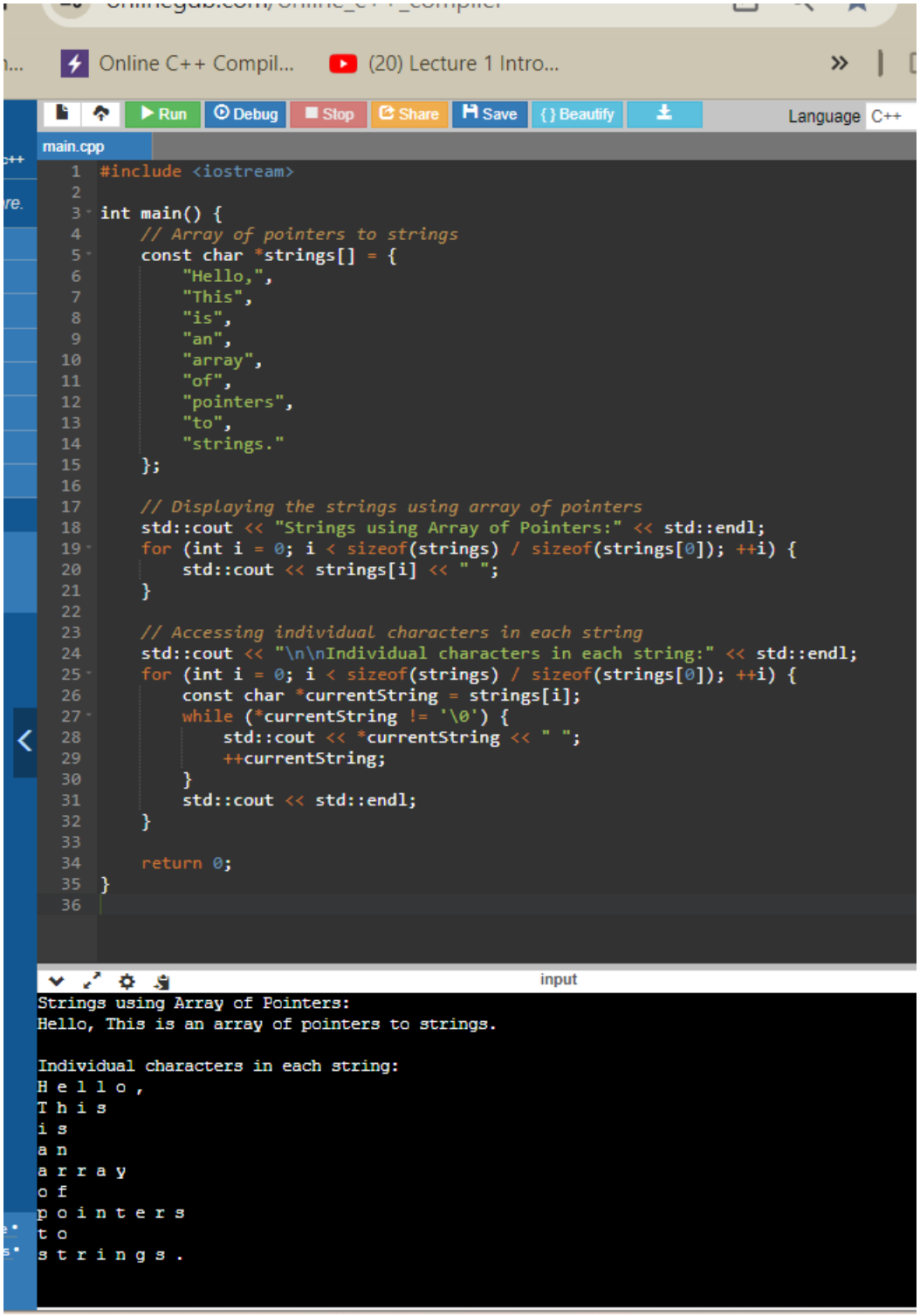
WAP to implement strcmp() function.



WAP to demonstrate limitations of 2D array of characters.



WAP to demonstrate an array of pointers to strings.


Online C++ Compil...
(20) Lecture 1 Intro...
Run
Debug
Stop
Share
Save
{} Beautify
Language C++
main.cpp
#include <iostream>
int main() {
// Array of pointers to strings
const char *strings[] = {
"Hello,",
"This",
"is",
"an",
"array",
"of",
"pointers",
"to",
"strings."
};
// Displaying the strings using array of pointers
std::cout << "Strings using Array of Pointers:" << std::endl;
for (int i = 0; i < sizeof(strings) / sizeof(strings[0]); ++i) {
std::cout << strings[i] << " ";
}
// Accessing individual characters in each string
std::cout << "\n\nIndividual characters in each string:" << std::endl;
for (int i = 0; i < sizeof(strings) / sizeof(strings[0]); ++i) {
const char *currentString = strings[i];
while (*currentString != '\0') {
std::cout << *currentString << " ";
++currentString;
}
std::cout << std::endl;
}
return 0;
}
input
Strings using Array of Pointers:
Hello, This is an array of pointers to strings.
Individual characters in each string:
H e l l o ,
T h i s
i s
a n
a r r a y
o f
p o i n t e r s
t o
s t r i n g s .