Ahsanullah University of Science and Technology
Department of Computer Science and Engineering
Assignment 6   Session: Fall 2022
Year/Semester: 4/1   Course No: CSE4130
Course Title: Formal Languages and Compilers Lab

Assignment 6

Write to code which will take a code **from the console** as an input and detect the general errors from the code if it has any.

**This sample input is given as an example. There can be more cases like this, such as for 'while', any arithmetic expression etc. Try to consider the cases as much as possible and those cases you know as an error in a language and find them with the help of your previous assignments (1-5).

Sample Input	Sample Output

float   x1 = 3.125;;
 	
/* Definition of function f1;; */
double f1(int int x))
{
double z;
if(x<x1) z = 0.03;
else z = 0.01;
else return z;
double z;
if(x>x1) z = 3.00;
else if z = 0.01;
else return z;
}
// declaration of main)
int main(()
{
int i, z;;
for (i=0, i<10;i=i+1)
{
z = f1(i);
}}]
}
	Duplicate separator at line no 1
	Duplicate keyword at line no 3
	Misplaced) at line no 3
	Unmatched 'else' at line no 8
	Double declaration in same scope in line no 9
	Misplaced (at line no 15
	Duplicate separator at line no 17
	Unknown syntax of 'for' at line no 18
	Misplaced } at line no 21
	Misplaced] at line no 21