## **COMPILER DESIGN LAB 3**

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PS C:\compilerdesign\lab3>

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PS C:\compilerdesign\lab3> ./a.exe
 Sample Valid input:
 int z=10; int main(){int a=10; int b=10+20; int c=a+b;}
 Sample Invalid input:
 int z=10; int main(){int a=10; char c='x'; char d=a/c;}
 int z=10; int main(){int a=10; int b=10+20; int c=a+b;}
Valid syntax
 NAME SIZE TYPE LINE SCOPE VALUE
                   2
2
                                        0
            2
                                                   10
 Z
             2
a
                               1
                                        1
                                                   10
                      2
b
                                1
                                         1
                                                   30
С
                                     1
                                1
PS C:\compilerdesign\lab3>
PS C:\compilerdesign\lab3> ./a.exe
Sample Valid input:
int z=10; int main(){int a=10; int b=10+20; int c=a+b;}
Sample Invalid input:
int z=10; int main(){int a=10; char c='x'; char d=a/c;}
int z=10; int main(){int a=10; char c='x'; char d=a/c;}
Error: Type mismatch for 'a'.
Error at line 1: a
Error: Type mismatch for 'c'.
Error at line 1: c
Error: Division by zero.
Error at line 1: 10
^Z^D
Valid syntax
NAME
             SIZE TYPE LINE SCOPE
                                                      VALUE
                                           0
             2
                       2
                                 1
                                                      10
a
             2
                       2
                                  1
                                           1
                                                      10
c
              1
                        1
                                  1
                                            1
                                                      X
                                  1
                                            1
```