PRELAB 2

In this prelab you will implement a lex and yacc code that will accept a python code that contains functions. Your program should cover all the valid inputs and reject the invalid ones. Also it should print the number of functions in the end.

WARNING: You just need to write a lex and yacc file that will accept the given syntax and reject the invalids. ATTENTION: Zip your lex, yacc and Makefile files (just 3 files) and submit to coadsys. We will use your makefile to grade your prelab, so be sure that your Makefile works properly.

1) In python, functions have a format like below. It starts with a def reserved keyword, functions name and function parameters. The function body starts 1 tab inside. You do not need to consider all the possibilities, just consider the cases below:
    - There can be multiple input parameters (number of parameters is not known)
    - There will be only the return command in the function body. Do not consider other operations like assignment, if/else, etc.
    - The return command should start one tab inside. Be careful it is specifically 1 tab, Not more, not less or not a space character.
    - There will be no empty return. So it should return at least one identifier.
    - The function can be meaningless or semantically incorrect. But do not consider it. You only check the correctness of syntax.

    Valid input:

```
def fun2(a,c):
	return c

def fun1():
	return a,b,c

def fun3(a, b, cdd, e1):
	return x
```

    Invalid input:

```
def fun2(a,c)
	return c

def fun1():
return a,b,c
```