CS2104 A Parser for Lambda Calculus Lab/Assignment 4. (Deadline 12 November 2007 Mon, 6PM)	 tkId(list of Ascii codes corresponding to the identifier's characters) – token identifier tkEOF – token end of file
<pre>Note : Submit in a single file, say lab4.oz. There is no need to provide any test cases in your submission. In the previous assignment, we introduced a small language based in lambda calculus that is denoted by the following Oz data type.</pre>	You may start the assignment using the code from lab4.oz. This file shows how to invoke the lexer function from the lexer.ozf module. The module is available on the course webpage in two formats: compiled format (ozf file) and source format (oz file), but you will need only the ozf file. The source of the library (lexer.oz) is provided only for reference. Usage example (from lab4.oz): {Browse {Lexer.lexer "let x1=y in x1 end"}} % produces [tkKwLEt tkId([120 49]) tkEq tkId([121]) tkKwIn tkId([120 49]) tkKwEnd tkEOF] {Browse {Lexer.lexer "lambda x y1 . y1 x end"}} % produces [tkKwLambda tkId([120]) tkId([121 49]) tkId([121 49]) tkId([120]) tkKwEnd tkEOF] In the above examples, 120 = Ascii code for x, 49 = Ascii code for 1, 121 = Ascii code for y.
<pre>lambda x y1 . y1 x end</pre>	
 You are provided a module, lexer.ozf, exporting a lexer function which processes an input string by looking at its characters and categorizing them into the following tokens: tkEq – token equal tkLBk – token left bracket tkRBk – token right bracket tkDot – token dot tkKwLambda – token keyword lambda tkKwLet – token keyword let tkKwIn – token keyword in tkKwEnd – token keyword end 	