CSE 130 (Wi 25) Handout

March 4, 2025

Question 1

Consider the regular expression	
[a-z A-Z] [a-z A-Z 0-9]*	
Write down two strings that are matched b	y this regular expression.
(1) Write down two strings that are not match	
Wille down two strings that we not nation	tu by this regular expression.
(1)	(2)
Question 2	
Consider the datatype \mathtt{Exp}	
data Exp = AConst Int AVar St	tring APlus Exp Exp AMinus Exp Exp AMul Exp Exp
and the grammar	
Aexpr: TNUM ID '(' Aexpr ')' Aexpr '*' Aexpr Aexpr '+' Aexpr Aexpr '-' Aexpr	{ APlus \$1 \$3 }
Assuming no precedence rules were give the string "10 + 20 + 30 * 40"	on, write down \emph{four} possible <code>Exp</code> values that may be obtained by parsing
(1)	
(2)	
(3)	
(4)	