**Alex Kim / CIS33A / A**

**EA1)** Show the result of the following expressions**:**

**a**) 30

**b**) 0

**c**) 81

**d**) Hello4

**e**) 4

**EA2**) Show the result of the following expressions:

**a**) Hello PERL lovers

**b**) Is this

a line

or two

(blank line)

**c**) What is 'this'

**d**) What is this $x

**EA3**) What is the value of $x and $y after the following statements?

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**EA4**) Which of the following expressions evaluate to true, and which evaluate to false?

**a**) FALSE

**b**) TRUE

**c**) FALSE

**d**) FALSE

**EA5**) What is the value of each of the following expressions?

**a**) -1

**b**) 1

**c**) -1

**d**) 1

**EA6**) Which of the following expressions evaluate to true, and which evaluate to false?

**a**) FALSE

**b**) FALSE

**c**) FALSE

**d**) TRUE

**EA7**) Given following statements, which of the following expressions evaluate to true, and which evaluate to false?

$x = 3; $y = 0; $z = -4;

**a)** TRUE

**b**) FALSE

**c**) FALSE

**d**) FALSE

**EA8**) Code a single statement, which uses the && operator and produces the same result as the code:

if ($x < 10){$x++;}

**CODE: if($x <= 9 && $x <10){$x++}else{$x};**

**EA9**) Code a single statement, which uses the || operator and produces the same results as the code:

unless ($x < 10){$x++;}

**CODE: if ($x >= 9 || $x >10){$x++}else{$x};**

**PA10**) Write a program that reads in 3 numbers.

Ask the user to input a decimal number as first number.

Ask the user to input an octal number as second number (without the leading 0).

Ask the user to input a hexadecimal number as third number. (Without the leading 0x).

Convert each number to decimal.

Print the following output, with description of each number:

a) Print the decimal value of the first number.

b) Print the decimal value and octal value of the second number.

c) Print the decimal value and hexadecimal value of the third number.

**PA11**) Write a program that reads one string and prints it as many lines as its length with each copy on a separate line (The \n should not be considered when calculating the length).

\*\* do not use a loop

**PA12**) Write a program that has a long string given which contains at least three 'e'

The program finds the positions of the first, second, and third "e" in the string and prints the results.

test data: $string='elephants eat a large quantity of food';

**PA13**) Write a program that has a long string given.

The program extracts the first five characters and the last five characters, and prints the results.

test data: $string='elephants eat a large quantity of food';

**PA14**) Write a program that, given three strings, uses string comparisons to select and print the smallest in ASCII sort order.

\*\* Do not use the sort function.

**PA15**) Write a program that, given an integer between 1 and 12, prints the corresponding month of the year.

**PA16**) Write a program that, given a floating-point number, prints the number rounded to two digits.