HASKELL QUIZ CHAPTERS 1-5

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1. What is the difference between White Box Testing and Black Box Testing 30 PTS

Black Box Testing is when we are only told the specification of the function and we devise our test data according to that. White Box Testing is when you can use the form of the function to make a choice for our data. Basically, black box testing is when we don’t see what’s inside the box and white box testing is when we see what's inside the box.

1. BOOLEAN OPERATORS 20 PTS

* 1. What is the Boolean operator for AND &&
  2. What is the Boolean operator for OR ||
  3. What is the Boolean operator for NOT not
  4. What is the Boolean type in Haskell? Bool

1. CHARACTERS 25 pts

* 1. What is the special character for tab ‘\t’
  2. What is the special character for newline ‘\n’
  3. What is the special character for backslash ‘\\’
  4. What is the special character for single quote ‘\’’
  5. What is the special character for double quote ‘\”’

1. CODE ERROR 10 pts

Please identify and correct the following code so it compiles without any error

assigned :: Int -> Int

assigned x = x + 1

1

1. Please identify the data type below 10 pts

[True]

Bool

1. Describe the difference between Polymorphism and Overloading 30 PTS

A Polymorphism function has the same definition for all types so it is the same function at all instances, for example a polymorphism function will take a variable ‘x’ or ‘[x]’, could be a list for example and will return an element of the same type ‘x’.

For Overloading for example ‘==’ has different definition based on the type being used with but similar function.

TOTAL: \_\_\_\_\_\_\_\_\_\_\_ / 125