

Name: Jules Clerc**1. What is the difference between White Box Testing and Black Box Testing 30 PTS**

Black box testing is a software testing technique in which the tester does not have any knowledge of the internal workings of the system being tested.

White box testing, on the other hand, is a technique where the tester has full access to the internal workings of the software being tested.

**2. BOOLEAN OPERATORS 20 PTS**

- a. What is the Boolean operator for AND &
- b. What is the Boolean operator for OR ||
- c. What is the Boolean operator for NOT !
- d. What is the Boolean type in Haskell? True False

**3. CHARACTERS 25 pts**

- a. What is the special character for tab \t
- b. What is the special character for newline \n
- c. What is the special character for backslash \
- d. What is the special character for single quote '
- e. What is the special character for double quote "

**4. CODE ERROR 10 pts**

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

```
Assigned x = x+
1
```

```
main = do
  let x = 0
  let y = x
  let x = y + 1
  print x
```

**5. Please identify the data type below 10 pts**

[True]

boolean

**6. Describe the difference between Polymorphism and Overloading 30 PTS**

While overloading is a specific type of ad-hoc polymorphism that permits a function or operator to have several implementations with varying parameter types or number of arguments, polymorphism is a broad term that refers to the capacity of a function or type to interact with different data types.

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