

CSC108-Introduction to Computer Programming, winter2011

Quiz 2 (15 minutes)

Name: _____

Student ID: _____

Mark: ____/10

(1) [5 marks] Write a python function **readInt()** that prompts the user to enter an integer. If the user enters an integer, the function should return the value to the caller. If the user enters any other data type, the function should display an error message to the user and continue to ask for an integer. Only when the user enters an integer the function returns. In your answer, assume that there is already a python built-in function called **isAllDigit(value)** that takes a string as an parameter *value* and returns the boolean value **True** if *value* is a string that consists of digits only. Sample invocation of **isAllDigit(value)**:

```
>>> isAllDigit("123")
True
>>> isAllDigit("a123")
False
```

Answer:

(2) [6 marks] Write a python function **countOccurrences(Text,Target)** that counts the occurrences of character Target in the string Text. The function returns the count and if no occurrences found in returns 0. Do not use Text.count() in your answer. Write Docstrings and comments for your function following the guidelines discussed in class.

Answer: