Introduction to Computer Science

Quiz 7

SECTION G

2nd December, 2014.

**QUESTION**

Write a function to insert a character in a sorted string.

**SOLUTION**

void insertChar(char str[],char toInsert)

{

char first=toInsert; //temporary variable

char second=0; //second temporary variable.

//find the insertion point first

for (i=0;str[i]!=0 && str[i]<=toInsert;++i)

{

//do nothing in this loop….loop stops either when null is found or a character

//greater than toInsert is found

}

//at this point either a null is found or an insertion point is found

while(first!=NULL)

{

second = str[i];

str[i] = first;

first = second;

i=i+1;

}

//store the NULL at the last position…first should have zero stored in it

str[i] = first;

}