APENDIX A
Some useful Functions

Numbers
- \texttt{int(x)} : converts \texttt{x} to an integer
- \texttt{float(x)} : converts \texttt{x} to a floating point number

Strings
- \texttt{str(x)} : converts \texttt{x} to a string
- \texttt{x + y} : concatenates strings \texttt{x} and \texttt{y}
- \texttt{len(x)} : returns the length of string \texttt{x}
- \texttt{s1 in s2} : returns True if string \texttt{s1} occurs as a substring in \texttt{s2}; returns False otherwise
- \texttt{s[i]} : returns the i-th character of string \texttt{s}; \texttt{i} can be from 0 to \texttt{len(s)-1}

General
- \texttt{raw_input y(string)} : displays the string, reads a single line of text from the keyboard and return it as a string
- \texttt{range(start, stop, step)} : creates a sequence of integers from \texttt{start} to \texttt{stop-1}, where each integer is produced by the previous one by adding the step
- \texttt{range(start, stop)} : creates a sequence of integers from \texttt{start} to \texttt{stop-1} (i.e. step is 1)
- \texttt{range(stop)} : creates a sequence of integers from 0 to \texttt{stop-1} (i.e. start is 0, step is 1)

APENDIX B
Some Python Syntax

Comparison Operators: ==, !=, <=, <, >=, >

Boolean Operators: and, or, not

Control Statements:

\begin{verbatim}
if condition :
    block

if condition :
    block1
else :
    block2

for var in sequence:
    block

while condition :
    block
\end{verbatim}