

```

# Find the last occurrence of a particular character

# Returns the index of the last occurrence of ch in str
# If ch does not occur in str then return -1 (an invalid index, if seen from left to
right)
def last_occurrence(str,ch):

s = raw_input("Enter the string")
c = raw_input("Enter the character")
i = last_occurrence(s,c)

if(i==-1):
    print 'the character ',c,' is not in the string "',s,'"
else:
    print 'The last occurrence of ',s[i],' is at position ',i

# Example sets
#
# 1) str = file.txt.pdf
#    ch = .
#    Observable_Output : The last occurrence of . is at position 4
#
# 2) str = aardvark.txt
#    ch = a
#    Observable_Output : The last occurrence of a is at position 5
#
# 3) str = polynomial
#    ch = .
#    Observable_Output : The character . is not in the string "polynomial"
#

# Trace format
#
# Example set 1
#
# Step      program_line    What_happens_inside_the_computer
# 1          9              s = "file.txt.pdf"
# 2          10             c = '.'
# 3          11             last_occurrence(s,c) ==> last_occurrence
('file.txt.pdf','.')
#
# Step      program_line    Observable_Output
# 1
#
#

```