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Exercises 4

Ex. 1

s = str(input())  
let = 0  
for i in range(len(s)):  
 let = let \* 10 + (ord(str(s[i])) - 48)  
print(let)

Ex. 2

s = str(input())  
for i in range(len(s)):  
 if ('A' <= s[i]) and (s[i] <= 'Z'):  
 let = ord(s[i]) + ord('a') - ord('A')  
 print(chr(let), end='')  
 else:  
 print(s[i], end='')

Ex. 3

Output:

Nawrocki Jerzy

Malinowski Adam

Ex. 4

Output:

Jerzy Nawrocki 43089

Adam Malinowski 43990

Ex. 5

Output:

Nawrocki Jerzy

Kowalski Jane

Malinowski Adam

Ex. 6

Output:

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Kowalski Jane

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Ex. 7

Output:

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Kowalski Jane

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Ex. 8

Output:

Fields: 10

Rows: 4

Ex. 9

Script in AWK:

$1 ~ /1993/ { print $2; }

BEGIN{}

$1 ~ /1994/ { total94= total94 + $2}

$1 ~ /1995/ { total95= total95 + $2}

$1 ~ /1996/ { total96= total96 + $2}

$1 ~ /1997/ { total97= total97 + $2}

$1 ~ /1998/ { total98= total98 + $2}

$1 ~ /1999/ { total99= total99 + $2}

$1 ~ /2000/ { total00= total00 + $2}

$1 ~ /2001/ { total01= total01 + $2}

$1 ~ /2002/ { total02= total02 + $2}

$1 ~ /2003/ { total03= total03 + $2}

$1 ~ /2004/ { total04= total04 + $2}

$1 ~ /2005/ { total05= total05 + $2}

$1 ~ /2006/ { total06= total06 + $2}

$1 ~ /2007/ { total07= total07 + $2}

$1 ~ /2008/ { total08= total08 + $2}

$1 ~ /2009/ { total09= total09 + $2}

$1 ~ /2010/ { total10= total10 + $2}

$1 ~ /2011/ { total11= total11 + $2}

$1 ~ /2012/ { total12= total12 + $2}

$1 ~ /2013/ { total13= total13 + $2}

$1 ~ /2014/ { total14= total14 + $2}

$1 ~ /2015/ { total15= total15 + $2}

$1 ~ /2016/ { total16= total16 + $2}

$1 ~ /2017/ { total17= total17 + $2}

$1 ~ /2018/ { total18= total18 + $2}

$1 ~ /2019/ { total19= total19 + $2}

$1 ~ /2020/ { total20= total20 + $2}

END { print "1994 ", total94;

print "1995 ", total95;

print "1996 ", total96;

print "1997 ", total97;

print "1998 ", total98;

print "1999 ", total99;

print "2000 ", total00;

print "2001 ", total01;

print "2002 ", total02;

print "2003 ", total03;

print "2004 ", total04;

print "2005 ", total05;

print "2006 ", total06;

print "2007 ", total07;

print "2008 ", total08;

print "2009 ", total09;

print "2010 ", total10;

print "2011 ", total11;

print "2012 ", total12;

print "2013 ", total13;

print "2014 ", total14;

print "2015 ", total15;

print "2016 ", total16;

print "2017 ", total17;

print "2018 ", total18;

print "2019 ", total19;

print "2020 ", total20;}

Ex.10

BEGIN{}

($1 % 4 == 0) && ($1 % 100 == 0 || $1 % 400 == 0)

END{print $1, $2}

Ex. 11

BEGIN{max=0}

{if(($1 ~ /[15$-27$]/) && ($2)>max) max=($2) }

END{$2==max {print $1,$2;}}

Ex. 12

BEGIN {}

{

gsub(/-/, " ", $1);

$1 = $1 " " 00 " " 00 " " 00;

date = mktime($1);

print strftime("%a %Y-%m-%d", date),($2)

}

END {}