

(1) $n \& (n-1)$

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if $(n \& (n-1))$ is 0, it is power of 2

(2)

"n[a-zA-Z0-9+-.-]@[a-zA-Z0-9+-.-]+\$"

is correct regex

(3) DECLARE a, b AND OP

Read a, b AND OP

IF $OP = +$ THEN

Print $a+b$

ELSE IF $OP = -$ THEN

Print $a-b$

ELSE IF $OP = *$ THEN

Print $a*b$

ELSE IF $OP = /$ THEN

Print a/b .

~~we can use switch case method also.~~

we can print "enter +, -, *, / only" in

else block if user enters other than +, -, *, /
in op.

→ we can use switch case also.

(4) def pow(n,b):

if n<b:

return n==1

return pow(n/b,b)

print(pow(64,4))

print(pow(20,10))

in if n<b
return n==1

In question

→ change the return num==0 to ~~return~~ num==1

(5) def count_files(folder):

count=0

for file in get_files(folder):

count+=1

if is_folder(file):

count+=count_files(file)

return count.

In if.is_folder(file) block we should pass the file as argument in count_files ^{function}, not folder.