

Problem Set 0, Problems 0 and 1

Problem 0: Reading and response

Put your response to the reading below.

What was the most interesting or important idea in this article for you – and why?

I think the most important idea for me was empowering people to be able to do things with technology that would be difficult without it. The project is very cool in of itself, but I think the fact the researchers got rid of the skill ceiling required to make a good water painting is very important. I really respect when people use technology to be faster at things, to be more efficient, and to allow the ability to participate in a broader range of art without a need for great skill in new fields. I appreciate that it allows for people to explore without limits.

Problem 1: Variables, expressions and assignment statements

1-1. Tracing a simple program

line of code	x	y	z
x = 14	14		
y = 3	14	3	
y = y * 10	14	30	
z = y - x	14	30	16
x = x // 5	2	30	16
y = z % 3	2	30	1

1-2. Assignment statements and expressions involving numbers

a) `a = a + 7`

b) `b * 2`

c) `b = a / 3`

d) `a ** b`

1-3. Assignment statements and expressions involving strings

a) `s[0:3]`

b) `t = t + 'ing'`

c) `s = t[-1]`

d) `s[::-1]`