

Quiz: Containers

CSCI040: ~~Computing for the Web~~ Introduction to Hacking

Total Score: /5

Printed Name:

Quiz rules:

1. You MAY use any printed or handwritten notes.
2. You MAY NOT use a computer or any other electronic device.

Problem 1. What is the output of the following code:

```
xs = [1, 3, 5, 7, 9, 11]
ys = xs[-1:-5:-1]
total = sum(ys)
print('total=', total)
```

Problem 2. What is the output of the following code:

```
xs = [1, 3, 5, 7, 9, 11]
total = 0
for i in range(3):
    total += xs[i+1]
print('total=', total)
```

Problem 3. What is the output of the following code:

```
xs = [1, 3, 5]
total = 0
for x in xs:
    total += x + 2
print('total=', total)
```

Problem 4. What is the output of the following code:

```
xs = [1, 3, 5, 7]
total = 0
for x in xs:
    for i in range(1, 3):
        y = x - xs[i]
        total += y
print('total=', total)
```

Problem 5. What is the output of the following code:

```
xss = [[1], [2, 4], [0, 1, 2, 3, 4, 5]]
total = 0
for xs in xss:
    total += 1
print('total=', total)
```