1	Define	those	torme
Ι.	Denne	unese	terms.

- (a) independent variable
- (b) dependent variable
- (c) confounding factor / confounding variable
- (d) **correlation** (or **correlated**)
- (e) causality
- 2. Fill in the blanks: in order for a variable to be a **confounding** variable, it must affect both the \_\_\_\_\_\_ and the \_\_\_\_\_\_.
- 3. What does the following Python code print to the screen when it's run? (Give the entire output all five lines that are printed.)

```
prices = np.array([6, 9, 10, 3, 5])
inflation = prices + 2
flip_me = np.flip(prices)
print(prices[0])
print(len(prices))
print(inflation[2])
print(flip_me)
print(prices[1:4])
```

4. What does the following Python code print to the screen when it's run? (Give the entire output – all four lines that are printed.)

```
aces = np.array([ "Aja Wilson","Jackie Young","Chelsea Gray" ])
mercury = np.array([ "Sami Whitcomb","Lexi Held","Satou Sabally" ])
phoenix = mercury
las_vegas = aces.copy()
phoenix = np.append(phoenix,"Alyssa Thomas")
extras = np.array([ "Jewell Lloyd","Megan Gustafson","Kierstan Bell" ])
las_vegas = np.concatenate([las_vegas,extras])
las_vegas = np.delete(las_vegas,2)
phoenix = np.delete(phoenix,1)
print(mercury[1])
print(aces[len(aces)-1])
print(len(phoenix))
print(len(las_vegas))
```