Python intro/refresher   *(find and work with a partner)*

The goal of the program below is to count how many times a given letter occurs in a given phrase. The user should specify both the phrase and the letter. (`input` is one way to do this in Python.) For example, the following inputs (first two lines) should generate the output on the third line:

```
phrase: creative code
letter: e
number of e's: 3
```

Student X has written the following code for this task. Based on our discussion today, try to find all the issues (with both style and correctness) with this code. Also discuss any strengths of this code.

```python
# ask the user for a phrase and a letter
phrase = input("phrase: ")
letter = input("letter: ")
numChars = len(phrase)

# go through each character in the phrase
for i in range(numChars):
    # add on 1 each time we see the desired letter
    if i == letter:
        count = count + 1

    # example of string formatting (%i for int)
    print("Number of letters: %i" % (count))
```