

Question 1 of 3

Recall that, in lecture, we saw an implementation of a spell checker in Python.

- a) Why were we able to implement a spell checker in Python using fewer lines of code than it took to implement a spell checker in C?
- b) Why did the spell checker in Python likely run slower than the spell checker you wrote in C?

Answers

- a) TODO
- b) TODO

Question 2 of 3

Recall from lecture that, whereas C programs are compiled, Python programs are interpreted. In your own words, what does it mean for a programming language to be interpreted language?

Answer

TODO

Question 3 of 3

Recall that, in C, to get a positive integer between 1 and 8, inclusive, we could use code like the below.

```
1  int n;  
2  do  
3  {  
4      n = get_int("Height: ");  
5  }  
6  while (n < 1 || n > 8);
```

In Python, there are no `do while` loops, so we would express the same idea as the below.

```
1  while True:  
2      n = get_int("Height: ")  
3      if n >= 1 and n <= 8:  
4          break
```

Explain how these blocks of code are logically equivalent, as by explaining how each works line by line.

Answer

TODO