

CS21 PRACTICE QUIZ 2, Swarthmore College Fall 2007

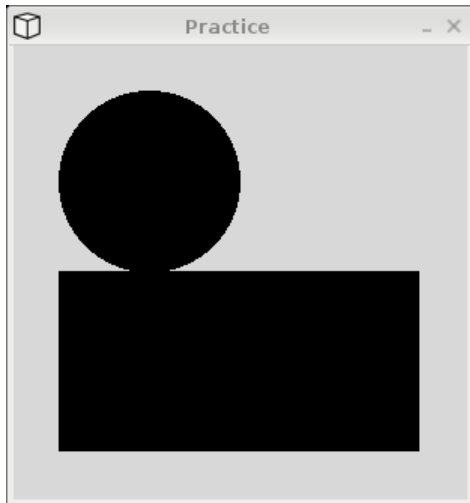
1. Compare and contrast methods and functions. In what ways are they similar? In what ways are they different? Give examples of the proper usage of both.

2. For each of the following expressions, show the value that will be returned by the Python interpreter. Assume that you already have `text = 'swarthmore college'` and that the `string` library has been imported.
 - (a) `chr(ord('c') + 3)`
 - (b) `text.split()`
 - (c) `text[0] + text[-1] +text[-3]`

3. Consider the function definition given below. Create a table to trace through how the values of `ch` and `result` would change during the function call `mystery('hello')`.

```
def mystery(text):  
    result = ""  
    for ch in text:  
        result = ch + result  
    return result
```

What would be a better name for this function?



4. Write a program that will draw a picture of a circle and a rectangle as shown above. It should wait for a mouse click before closing the graphics window.