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3/2/2020

CS 161

Quiz 4 Redo

Q3. **In the following code, the variable val is the function call's \_\_\_\_\_.**

**def print\_square\_area(size):**

**area = size \* size**

**print("A square of size {} has area {}".format(size, area))**

**val = input('Enter size of square: ')**

**print\_square\_area(val)**

Argument

#### Q6. What is the result when the program is executed?

#### def add(x, y):

#### return x + y

#### print('Begin test')

#### s = add('hello', 5)

#### print(s)

#### print('End test')

The program outputs 'Begin test', then an error is generated, and the program exits.

Q9. **Which function is most appropriate to improve the given code?**

**power\_consumption\_app1 = 600.85**

**hours\_of\_use1 = 12.8**

**energy\_per\_day1 = (power\_consumption\_app1 \* hours\_of\_use1) / 1000**

**power\_consumption\_app2 = 1800.45**

**hours\_of\_use2 = 0.45**

**energy\_per\_day2 = (power\_consumption\_app2 \* hours\_of\_use2) / 1000**

**power\_consumption\_app3 = 70**

**hours\_of\_use3 = 1.5**

**energy\_per\_day3 = (power\_consumption\_app3 \* hours\_of\_use3) / 1000**

**total\_energy\_consumed = energy\_per\_day1 + energy\_per\_day2 + energy\_per\_day3**

**print('The total energy consumed per day is {:f}.'.format( total\_energy\_consumed))**

def input\_values(power, hours):

power = float(input())

hours = float(input())

**Q16. The process of searching namespaces for a name is called \_\_\_\_.**

Scope resolution

**Q18**. **What is the output?**

**def display(app\_id, plan='basic', term=30):**

**print('App:{:d} ({:s} plan, {:d} days)'.format(app\_id, plan, term))**

**display(10032, term=14)**

App:10032 (basic plan, 14 days)

**Q19**. **Which function call will produce an error?**

**def purchase(user\_name, id\_number=-1, item\_name='None', quantity=0):**

**# ... process a user's purchase as required ...**

purchase('Leia', 'Orange', 10)

**Q20.** **Which statement is true about the \*args and \*\*kwargs special arguments?**

Both may be used in a single function call, but \*args must appear before \*\*kwargs in the argument list

**Q24.Consider the string new\_string = 'Code development in Python'.**

**Which statement will return velop as a substring?**

new\_string[-19:12]

**Q.26 Consider the string new\_string = 'Berlin is the capital of Germany'.**

**Which statement will return capital of Germany as a substring?**

new\_string[-18:]

**Q31. Which line of the function has an error?**

**def compute\_sum\_of\_squares(num1, num2): # Line 1**

**sum = (num1 \* num1) + (num2 \* num2) # Line 2**

**return # Line 3**

Line 3