**Python Tasks – Day18**

1. **Write the output of the following code**

**def pound(fn):**

**def new(\*args):**

**return (u"\u00A3").encode('utf-8') + str(fn(\*args))**

**return '$' + str(fn(\*args))**

**return new**

**@pound**

**def price(amount, tax\_rate):**

**return amount + amount\*tax\_rate**

**print(price(100,0.1))**

1. **Write the output of the following code**

**def bold(f):**

**def wrapped():**

**return '<b>' + f() + '</b>'**

**return wrapped**

**def italic(f):**

**def wrapped():**

**return '<i>' + f() + '</i>'**

**return wrapped**

**@bold**

**@italic**

**def hello():**

**return 'hello'**

**print(hello())**

1. **Write the output of the following code**

**def count(f):**

**def inner(\*args, \*\*kargs):**

**inner.counter += 1**

**return f(\*args, \*\*kargs)**

**inner.counter = 0**

**return inner**

**@count**

**def my\_fnc():**

**pass**

**if \_\_name\_\_ == '\_\_main\_\_':**

**my\_fnc()**

**my\_fnc()**

**my\_fnc()**

**print('my\_fnc.counter=',my\_fnc.counter)**

1. **Write a Python program to detect the number of local variables declared in a function**
2. **Write ouput of the following code**

**def fun(fun1):**

**def new(x,y):**

**print("x = ",x)**

**print("y = ",y)**

**fun1(x,y)**

**return new**

**def add(p,q):**

**print("{} + {} = {}".format(p,q,p+q))**

**new = fun(add)**

**new(6,7) # output-1**

**@fun**

**def s(var1,var2):**

**print(var1+var2)**

**s('hello ','world') # output-2**

1. **Write the output of following code**

**def dec\_baap(\*tags):**

**def dec(old):**

**def work(s):**

**for tag in tags :**

**s = '\t\n<{0}>{1}</{0}\n>'.format(tag,s)**

**f = open('code.html','w')**

**f.write(s)**

**f.close()**

**return work**

**return dec**

**tags = [ 'a', 'b', 'i', 'h1', 'div', 'body', 'html']**

**@dec\_baap(\*tags)**

**def old(s):**

**pass**

**old("Hello World!!") # output**