

1) For the following function, underline the specification and circle the signature.

```
def do(a,b,c):  
    """ finds and returns the product of a, b, and c and return  
    pre: a, b,c are positive integers.  
    Post: returns a product of a,b, and c """
```

2) Write an interface for a function that finds the sum of squares of the first n positive integers, i.e. $1^2+2^2+3^2+\dots+n^2$. The user/client will input/provide the value on n .

Answer:

```
def sumOfSquares(n):  
    """ finds the sum of squares of the first  $n$  positive integer values  
  
    pre:  $n$  in integer  $> 0$   
    post: returns the sum of squares of the first  $n$  positive integer values"""
```

3) Recall our example of simple statistics program. Give the interface and the specification (with pre- and post-conditions) for each of the subtasks.

Answer:

See page 15 in the book