```
# DWAYNE FRASER

############### Problem 2. Pythagorean Numbers ######################################

# Function to find all possible pythagorean triples of given value n
def find_Pythagorean(n):
    n = int(n)
    # For a in range n
    for a in range(n):
        # For b in range n
        for b in range(n):
            # For c in range n
            for c in range(n):
                # Displays all possible Pythagorean triples (a,b,c), where 0<a,b,c<=n.
                if (a != 0 and b != 0 and c != 0) and a ** 2 + b ** 2 == c ** 2:
                    print(a, b, c)

find_Pythagorean(25)
```

```
In [1]: runfile('C:/Program Files (x86)/Work/Python/Python Dwayne Solutions/HW 1/p2_Fraser_Dwayne.py', wdir='C:/Program Files (x86)/Work/Python/Python Dwayne
Solutions/HW 1')
3 4 5
4 3 5
5 12 13
6 8 10
8 6 10
8 15 17
9 12 15
12 5 13
12 9 15
12 16 20
15 8 17
16 12 20

In [2]:
```