

1. Write a function `odd(num)` that returns `True` if a number is odd and `False` if a number is even. Your function should take in an integer `num` and return a boolean.

```
def odd(num):  
    return num % 2 != 0
```

2. Write a function that calculates and returns the average of ages.

```
def avg_age(ages):  
    total = 0  
    for age in ages:  
        total = total + age  
    avg = total / len(ages)  
    return avg
```

3. Given a function `get_height(student)` that computes the height of the student passed in, write a new function `max_height(student_lst)` that finds the maximum height of all the people in the class.

```
def max_height(class_lst):  
    cur_max = 0  
    for student in class_lst:  
        student_height = get_height(student)  
        if student_height > cur_max:  
            cur_max = student_height  
    return cur_max
```

**Type when returning: int**  
**Type when printing: None**

4. Write a function that takes a list of strings and returns the number of times a target letter appears in total in the given list.

```
def count_letters(list, target):  
    count = 0  
    for word in list:  
        for letter in word:  
            if (letter == target):  
                count = count + 1  
    return count
```

5. Write a function called `budget_saver` that takes cost of a product and a value for a budget.

```
def budget_saver(cost, budget):  
    if (cost > budget):  
        return "too expensive"  
    elif (cost < budget):  
        return "great deal"  
    else:  
        return "okay"
```

6. Write a function that given a list of crew members and an imposter, returns true if the list includes an imposter and false otherwise.

```
def among_us(crew_members, color):  
    for member in crew_members:  
        if (member == color):  
            return True  
    return False
```