Activity 10: Dictionaries Names:_____

This activity has two parts:

1. You have some code snippets on this paper to work through (please write your answers!)
2. Once you have identified an answer, you will verify the result via the code on Blackboard (`dictionary_activities.py`)
    a. You will need to create a dictionary at the bottom of the file.
    b. For each question on here, you will create a new entry in the dictionary. The question will tell you what your key and value will be.
    c. Pass your dictionary to the `check_answer` function to get feedback at any time.

Question 1

Given the following code:

```
teams = {'basketball': 'gold', 'volleyball': 'rise',
     'hockey': 'griffons'}
name = teams['volleyball']
```

What is the value of `name`?

To check your answer, create a new entry in your dictionary. The key should be "part_1" and the value will be the value of the `name` variable above.

Question 2

Given the following code:

```
grade_weights = {}
grade_weights['Midterm 1'] = 13
grade_weights['Midterm 2'] = 13
grade_weights['Lab Exam'] = 13
grade_weights['Final Exam'] = 15
grade_weights['Projects'] = 18
grade_weights['Labs'] = 18
grade_weights['Activities'] = 10
a = grade_weights['Labs']
b = grade_weights['Midterm 1']
c = len(grade_weights)
```

What is the value of a, b, and c?

To check your work, use a key of "part_2" and the sum of a, b, and c for your value.

Question 3
What is the output of the following code?

```
toys = {
      'teddy':'bear',
      'ellie':'elephant',
      'stan':'spider',
      'ty':'tasmanian tiger'
}
for val in toys:
      print(val[0], end = '')
```

To check your answer, add a new entry to your dictionary with key "part_3" and the output of the code snippet above as the value (as a string).

Question 4
What is the output of the following code?
Note: Your actual grades can also have a + or - (e.g., a B+), but that is omitted here for brevity.

```
min_grades = {'a':93, 'b':83, 'c':73, 'd':60, 'f':0}
min_grades.pop('f')
min_grades.pop('c')
min_grades['s'] = 1000
min_grades.pop('b')

result = ''
for k, v in min_grades.items():
      result += str(v)
print(result)
```

To check your answer, add a new entry to your dictionary with key "part_4" and the output of the code snippet above as the value (as a string).