

## CSCI 127, Second Practicum – November 3, 2017

Name \_\_\_\_\_

Question One. 50 points. Supply the missing Python code below. The *scores\_differences* dictionary contains the difference between Montana State's football score and its opponent's football score on a given date. For example, on October 21, 2017, Montana State scored 27 points and Northern Colorado scored 24 points, so the difference is 3. In the example below, the output **2 wins – 1 losses** should be printed. The solution should be of high quality and work correctly regardless of how many entries are in the dictionary. Comments are not necessary.

```
score_differences = {}
score_differences["October 7, 2017"] = 8
score_differences["October 14, 2017"] = -12
score_differences["October 21, 2017"] = 3
```

# The missing code goes here but write it below. Assume that every game results in either a win or a loss.

```
print(wins, "wins -", losses, "losses")
```

Question Two. 50 points. A **Refrigerator** is a subclass of an **Appliance**. Using object-oriented programming and inheritance, supply the missing Python code below such that *The Samsung refrigerator contains refrigerant R134a* is printed when the program is run. The solution should be high quality; comments are not necessary.

```
class Appliance():  
    def __init__(self, manufacturer):  
        self.manufacturer = manufacturer
```

# The missing code goes here but write it below.

```
my_refrigerator = Refrigerator("Samsung", "R134a") # R134a is the refrigerant (cooling agent) used  
print(my_refrigerator)
```