1. Compare and contrast Dictionaries and Lists.

2. What is the output of the following program? If there are any errors, correct them.

```python
singers_i_like = {"Billy Joel": True, "Justin Bieber": False, "Adele": True}
for singer in singers_i_like:
    print (singer, end=" ")
```

3. What is the output of the following program? If there are any errors, correct them.

```python
num_words = {1: "one", 2: "two", 3: "three", [1,2,3]: "onetwothree"}
print (num_words[[1,2,3]])
```
4. What is the output of the following program? If there are any errors, correct them.

```python
instructors = {'Smith': 101, 'Jackson': 101, 'Ramachandran': 102}
instructors['Ramachandran'] = 290
instructors.pop('Ramachandran')
print(instructors)
```

Recall the HW 04 Game Winner program that kept track of each player’s scores during a game and computed the winner at the end. The next problems will write an improved version of that program using dictionaries.

5. Write a function called `get_players` that asks the user for the name of each player and returns a dictionary with pairs of player names and scores. We'll call this the score dictionary.
6. Write a function called `update_scores` that takes a score dictionary as a parameter. The function should prompt the user for each player’s score this round and update the dictionary accordingly.

7. Write a function called `game_over` that takes a score dictionary and the maximum score needed to win as parameters. If the game is over, the function will return a list of the winner’s names. If not, the function returns `False`.
8. Write a function called `print_scores` that takes a score dictionary. This function will print the names and scores of each player in a human readable format. The function does not return anything.

9. Write a function called `play_game` that uses all of the above functions to play a round of the game. This function will setup the same and continue playing rounds and showing the scores until a player wins. When someone wins the program will announce the winner and declare that the game is over.