Dictionaries and Sets

1. Convert two list into a dictionary.
   Keys = [‘Ten’, ‘Twenty’, ‘Thirty’]
   Values = [10, 20, 30]

2. Merge two python dictionaries into one.
   dict1= {‘Ten’: 10, ‘Twenty’: 20, ‘Thirty’: 30}
   dict2= {‘Thirty’: 30, ‘Forty’: 40, ‘Fifty’: 50}

3. Initialize dictionary with default values.
   employees = ['Kelly', 'Emma']
   defaults = {"designation": 'Developer', "salary": 8000}

4. Delete a list of keys from a dictionary.
   sample_dict = {
      "name": "Kelly",
      "age": 25,
      "salary": 8000,
      "city": "New york"
   }
   # Keys to remove
   keys = ["name", "salary"]

5. Change value of a key in a nested dictionary.
   sample_dict = {
      'emp1': {'name': 'Jhon', 'salary': 7500},
      'emp2': {'name': 'Emma', 'salary': 8000},
      'emp3': {'name': 'Brad', 'salary': 500}

}

Expected Output:

```
{
  'emp1': {'name': 'Jhon', 'salary': 7500},
  'emp2': {'name': 'Emma', 'salary': 8000},
  'emp3': {'name': 'Brad', 'salary': 8500}
}
```

6. Write a Python program that creates from a keyboard-typed integer n, a dictionary whose keys are integers from 1 to n and key values are their squares. Example for n = 7 the dictionary will be of the form.
   {1: 1, 2: 4, 3: 9, 4:16, 5:25, 6:36, 7:49}

7. Given a dictionary d whose key values are lists. Write a Python program that transforms the dictionary d by sorting the lists. Example for the dictionary.
   d = {'a1': [21, 17, 22, 3], 'a2': [11, 15, 8, 13], 'a3': [7, 13, 2, 11], 'a4': [22,14,7,9]}
   Expected Output:
   d = {'a1': [3, 17, 21, 22], 'a2': [8, 11, 13, 15], 'a3': [2, 7, 11, 13], 'a4': [7, 9, 14, 22]}