COMPSCI 115

Module 6 Practice Exercises

1. Create a dictionary that contains keys and values:

Book Title: The Da Vinci Code

ISBN:9780385504218, 0385504217

Page count:400

Published:March 18, 2003

Format:E-book

Publisher:Knopf Doubleday Publishing Group

Language:English

Author:Dan Brown

1. Print all keys of the dictionary.
2. Print all values of the dictionary
3. Print both key and values
4. Change the key value Format to paper book
5. Check if the book is an English version
6. What is the length of the dictionary?
7. Add an item Genres: Novel and Characters: Robert Langdon
8. Remove the item format
9. Delete the ISBN
10. Write a python program to create a function that prompts the user to enter 18 students names and grades:

students={

"Sam":70,

"Joel":80,

"Kristine":60,

"Robert":50,

"Laura":65,

"Frank":73,

"George":89,

"Lisa":91,

"Anna":97,

"Jeff":95,

"Bob":87,

"John":93,

"Amy":80,

"Karen":86,

"Sharon":10,

"Nancy":59,

"William":61,

"Bradon":69

}

1. Write a function that receives the students’ information to display the names and grades of students who are above the class average.
2. Write a function that receives the students’ information to display those students who earned scores above the class average
3. Write a function that receives the students’ information to display those students earned scores of 90 and higher.
4. Create the sets

Set1={“PA”, “NY”, “VT”, “NM”}

Set2={“CA”, “TX”, “LA”}

Set3={1, 4, 5, 7 ,9, 10, 12, 13, 15 }

Set4={4, 15, 8, 13, 1, 9, 20, 18}

* Add set2 elements to set1
* Display the common items between set3 and set4
* Display the elements that exist in set3 and do not exist in set4
* Create a new set that combines set3 and set4 by removing the duplicated elements