Swift Programming Exercise 3 – Array & Set

Write a program to achieve the following tasks below. Take a screen dump to show the results and upload the screen dump to Blackboard

1. Write a program to store the following information of students in a dictionary. Use looping to print out both the ids and names of those students.

Student ID	Student Name
S123456	John Chan
S003112	Mary Wong
S007441	Franklin Woo
S996633	Tim Tong

You may refer to the following sample program relating to dictionary:

```
var bookCollectionDict = [ "1328683788": "Tool of Titans", "0307463745":
        "Rework","1612060919": "Authority"]
for (key, value) in bookCollectionDict {
    print("ISBN: \(key)")
    print("Title: \(value)")
}
```

2. Write a program to print out the intersection of two sets containing two groups of the students(intersection means the students are in both sets)

Group 1 student: "Mary", "John","Peter","Franklin"
Group 2 students: : "John", "Walter","Andy","Franklin"

Please refer to the following program relating to set:

```
let oddDigits: Set = [1, 3, 5, 7, 9]
let evenDigits: Set = [0, 2, 4, 6, 8]
let singleDigitPrimeNumbers: Set = [2, 3, 5, 7]
print(oddDigits.union(evenDigits).sorted())
// [0, 1, 2, 3, 4, 5, 6, 7, 8, 9]
print(oddDigits.intersection(evenDigits).sorted())
// []
```