Saint Mary’s University

Bayombong, Nueva Vizcaya

School of Engineering, Architecture and Information Technology

Department of Information Technology & Information Science

**Data Structure & Algorithm**

Activity 10.1  
Sets

Write a menu driven program that will allow the user to select from the following operations of set.

1. The program shall ask the user to enter two different numbers (*n1, n2*).
2. Create two sets. The program shall generate the elements of sets by using a random number for (*n1, n2)* times. Random numbers should range from 0 to 9 only.
3. Display the items of generated sets
4. The following operations should perform by the program

Union

Intersection

Difference

Symmetric Difference

Exit

Sample Output:

Enter first number: 5

Enter second number: 7

Set A: {2, 4, 6, 7, 9}

Set B: {1, 2, 3, 5, 6, 8}

--CHOOSE OPERATION--

[1] Union

[2] Intersection

[3] Difference

[4] Symmetric Difference

[5] Exit

Enter your choice: