**Object Oriented Programming in Java (Lab 3)**

**Problem:**

Create the following two classes:

1. Names: Having at least three components the First name, Middle Name and the Last Name. Add appropriate constructors. Add methods to check sameNames, e.g. name1= Saurabh Kulshreshtha, name2=Saurabh Kulshreshtha/ saurabh kulshreshtha

sameInitials, e.g. name1=Ram Vashishtha, name2=Ravi Verma

similarNames (When some of the first, middle or last names have been exchanged.),e.g. (Ravi Verma and Verma Ravi) or (Venkat Sai Velluri and Velluri Sai Venkat and Sai Velluri Venkat) etc.

maybeSameNames (when some names contains initials in place of First, Middle and/or Last names

2. Student: Has three names studentName, FathersName, MothersName. Constructors, Accessors/Mutators.

3. Main Program: Array of Students.

Answer through the program how many have same names and same fathers name are there.

**Structure:**

The package SNU.namesUtil contains 3 classes: Names and Student

Default Package contains the Name class which contains the main function for the program.

**Input:**

The program asks the number of students to create an array and then successively asks for the names of student and his father.

(Don't leave the entire name blank i.e. any one of the fields from the name must be filled or else the program might produce undesirable results)

**Output:**

The program displays the number of students having exactly the same name and also the number of students having the same father's name.