

# EXERCISE: PREDEFINED CLASS

**STIA1123 –PROGRAMMING II**

1. Write an application that calculates the squares and cubes of the numbers from 0 to 10 and prints the resulting values in a table format, a shown below. You must use Math class to solve this problem.

Number Square Cube

0 0 0

1 1 1

2 4 8

and so on

public class PredefinedClass {

public static void main(String[] args) {

String a = "Number", b = "Square", c = "Cube";

System.out.printf("%s%8s%7s", a,b,c);

int n = 0;

do{

double sq = Math.pow(n,2);

double cb = Math.pow(n,3);

System.out.printf("%n%d%10.0f%9.0f",n,sq,cb);

n++;

}while(n<=10);

System.out.println("");

}

}

1. Write a program called CountA that accepts a String parameter and display the number of times the character 'A' is found in the string.
2. Write a program called PrintReverse that accepts a String parameter and print the string that contains the characters of the parameter in reverse order.
3. Write a program called RandomInRange that accepts two integer parameters representing a range. Display a random integer in the specified range (inclusive). Display zero if the first parameter is greater than the second.