

College of Computer & Information Science
Department of Computer Science
CSC111 – Lab 2

Ex 1. Write a program that produces the following output:

Hello World!

It's been nice knowing you.

Goodbye world!

```
public class Lab_02_q1 {  
    public static void main(String[] args) {  
        System.out.println("Hello world!");  
        System.out.println("It's been nice knowing you.");  
        System.out.println("Good bye world!");  
    }  
}
```

Ex 2. Write a Java program to display the asterisk pattern as shown below:

```
*****  
*****  
*****  
*****  
*****
```

```
public class Lab_02_q2 {  
    public static void main(String[] args) {  
        System.out.println("*****");  
        System.out.println("*****");  
        System.out.println("*****");  
        System.out.println("*****");  
        System.out.println("*****");  
    }  
}
```

Ex 3. Write a Java program that first calculates the area of circle with given radius ($A = \pi r^2$) and then calculates the volume of a sphere with the same radius ($V = (4/3)\pi r^3$). It then displays the results on the screen.

```
public class Lab_02_q3 {  
  
    public static void main(String[] args) {  
        double radius = 2.0;  
        double area = 0.0;  
        double volume = 0.0;  
  
        area = 3.14 * radius * radius;  
        volume = (4.0/3.0) * 3.14 * radius * radius * radius;  
    }  
}
```

```
        System.out.println("Area of circle with radius " +  
radius + " = " + area);  
        System.out.println("Volume of sphere with radius " +  
radius + " = " + volume);  
    }  
}
```

Ex 4. [Homework] Write a Java program that will convert 10,000 seconds into hours, minutes, and seconds. It then displays the results with appropriate labels.