**King Saud University**

**College of Applied Studies and Community Service**

**Bachelor of Applied Computing**

**2nd Semester (1438-1437)**

**(GC201): Visual Programming**

**Sheet #1**

**Question #1:** Write the following Programs in Visual Basic:

1. *(****Temperature Converter Application****)* Write an application that converts a Celsius temperature, *C*, to its equivalent Fahrenheit temperature, *F*. The below figure displays the completed application. Use the following formula:





1. ***(Body Mass Index Calculator)***Create a BMI calculator application that reads the user’s weight in kilograms and height in meters, then calculates and displays the user’s body mass index.

**



You should display this text **when the form loads** with the following format:

* Font Size : 11 pt
* Font Name: Times New Roman
* Font Color: Gray

60

1.6

23,4375

**meters**

**Kilograms**

1. ***EVALUTION (Diameter, Circumference and Area)*** Write an application that inputs from the user the radius (r) of a circle and displays the following: the circle’s (diameter - circumference – area) Using the following formulas:
   * diameter = 2r
   * circumference = 2πr
   * area = πr2

Where r is the radius

Use the predefined constant keyword **Math.PI** for **π**. The following figure shows the completed application.

