using System;

using static System.Console;

// Written By: Samuel Graham

// Written On: 4/12/2019

namespace A10\_COP\_2360

{

class ProgramLetterDemo

{

static void Main(string[] args)

{

Letter mailed = new Letter("John Squiggley");

WriteLine(mailed.ToString());

CertifiedLetter certMail = new CertifiedLetter("Squiggley John", 9999999999999);

WriteLine(certMail.ToString());

}

}

// creates Letter object with fields for recipient and date mailed

class Letter

{

protected String recipientName;

protected DateTime dateMailed;

public Letter()

{

}

public Letter(String name)

{

recipientName = name;

dateMailed = DateTime.Now;

}

// returns a string using GetType() and data field values

public override string ToString()

{

return (GetType() + ": " + recipientName + ": " + Convert.ToString(dateMailed));

}

}

//extends Letter and has a field for tracking number

class CertifiedLetter : Letter

{

private long trackingNum;

public CertifiedLetter(String name, long trackNum)

{

base.recipientName = name;

base.dateMailed = DateTime.Now;

trackingNum = trackNum;

}

// returns the same string as Letter with tracking number

public override string ToString()

{

return base.ToString() + ": " + Convert.ToString(trackingNum);

}

}

}

**OUTPUT:**

