**TASK # 1:**

**Create Reusable Code/Software for generating Mark sheet of a student. (Hint: Use Project 1 for calculation and grading purpose)**

**CODE:**

namespace GPAcalculator

{

class Program

{

static void Main(string[] args)

{

Calculation calculate = new Calculation();

calculate.Marks\_input();

calculate.dislay();

Console.ReadKey();

}

}

}

public class Calculation

{

double total = 0;

double gpa = 0;

double crdt = 0;

double Percentage = 0;

public void Marks\_input()

{

Console.WriteLine("------------Mark Sheet----------");

Console.Write("Total Credit hours : ");

crdt = int.Parse(Console.ReadLine());

Console.WriteLine("--------------------------------");

Console.WriteLine("Number of Each subject given below:");

Console.Write("SDA : ");

double sda = int.Parse(Console.ReadLine());

Console.Write("DBMS : ");

double dbms = int.Parse(Console.ReadLine());

Console.Write("OS : ");

double os = int.Parse(Console.ReadLine());

Console.Write("PSY : ");

double psy = int.Parse(Console.ReadLine());

Console.Write("Probability : ");

double probab = int.Parse(Console.ReadLine());

Total\_Marks(sda, dbms, os, psy, probab);

}

public void Total\_Marks(double sda, double dbms, double os, double psy, double prob)

{

total = sda + dbms + os + psy + prob;

Percentage = (total / 500) \* 100;

if (Percentage <= 50)

{

gpa = 0;

}

else if (Percentage > 50 && Percentage <= 65)

{

gpa = 2.0;

}

else if (Percentage > 65 && Percentage <= 75)

{

gpa = 3.0;

}

else if (Percentage > 75 && Percentage <= 85)

{

gpa = 3.67;

}

else

{

gpa = 4.0;

}

}

public void dislay()

{

Console.WriteLine("--------------------------------");

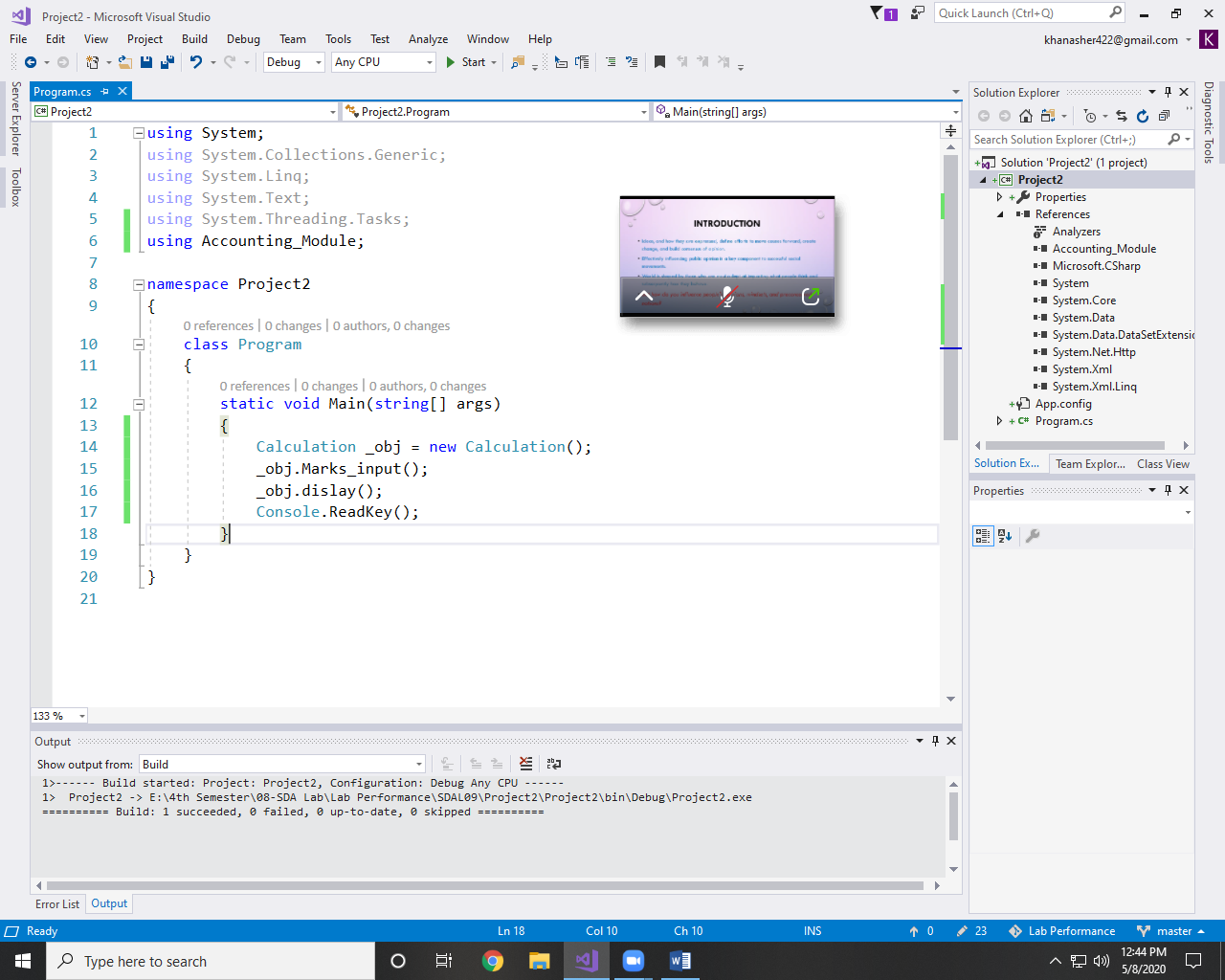
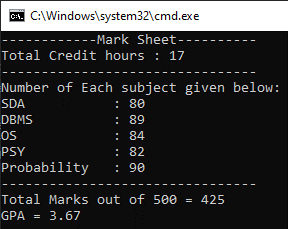
Console.WriteLine("Total Marks out of 500 = {0}", total);

Console.WriteLine("GPA = {0}", gpa);

}

}

**OUTPUT:**

**TASK # 2:**

**Consume Google Maps API in Html Webpage.**

**CODE:**

@{

ViewBag.Title = "Home Page";

}

<style>

/\* Always set the map height explicitly to define the size of the div

\* element that contains the map. \*/

#map {

height: 700px;

width:700px;

}

</style>

<br>

<div class="row">

<script>

var map;

function initMap() {

map = new google.maps.Map(document.getElementById('map'), {

center: {lat: -34.397, lng: 150.644},

zoom: 8

});

}

</script>

<script src="https://maps.googleapis.com/maps/api/js?key=AIzaSyA9GPZqhfx4OA\_VN6mS2peLX-P\_\_OgYSEM&callback=initMap"

async defer></script>

</div>

**OUTPUT:**

