Bahria University,

Karachi Campus



LAB EXPERIMENT NO.

**11**

LIST OF TASKS

|  |  |
| --- | --- |
| TASK NO | OBJECTIVE |
| 01 | **Create Reusable Code/Software for generating Marksheet of a student.**  **(Hint: Use Project 1 for calculation and Grading purpose)** |
| 02 | **Consume Google Maps Api in Html Webpage.** |

Submitted On:

**08-June-2023**

**Task No. 1 Create Reusable Code/Software for generating Marksheet of a student.**

**(Hint: Use Project 1 for calculation and Grading purpose)**

**Solution:**

**CODE:**

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:**

A screenshot of a computer

Description automatically generated Text

Description automatically generated

**Task No. 2: Consume Google Maps Api in Html Webpage.**

**Solution:**@{

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:**

**Graphical user interface, application, map

Description automatically generated**