Q1.

using System;

namespace ConsoleAppQ1

{

class Program

{

static void Main(string[] args)

{

int num1, num2;

Console.WriteLine("Enter two numbers:");

num1 = Convert.ToInt32(Console.ReadLine());

num2 = Convert.ToInt32(Console.ReadLine());

Console.WriteLine("Enter operation(+,-,\*,/):");

char ch = Convert.ToChar(Console.ReadLine());

switch(ch)

{

case '+':

Console.WriteLine("Output is {0}: ", num1 + num2);

break;

case '-':

Console.WriteLine("Output is {0}: ", num1 - num2);

break;

case '\*':

Console.WriteLine("Output is {0}: ", num1 \* num2);

break;

case '/':

Console.WriteLine("Output is {0}: ", num1 / num2);

break;

default:

Console.WriteLine("Invalid input");

break;

}

}

}

}

Q2.

using System;

namespace ConsoleAppQ2

{

class Program

{

static void Main(string[] args)

{

Console.WriteLine("Enter a data-time stamp");

String DateTime = Console.ReadLine();

String[] date\_parts = DateTime.Split(':');

Console.WriteLine("Enter no of ticks:");

int ticks = Convert.ToInt32(Console.ReadLine());

int sec = Convert.ToInt32(date\_parts[5])+ticks/10000000;

int min = Convert.ToInt32(date\_parts[4]);

int hour = Convert.ToInt32(date\_parts[3]);

int year = Convert.ToInt32(date\_parts[2]);

int month = Convert.ToInt32(date\_parts[1]);

int day = Convert.ToInt32(date\_parts[0]);

int temp = 0;

if (sec >= 60)

{

temp = sec / 60;

sec = sec % 60;

min = min + temp;

}

if(min>=60)

{

temp = min / 60;

min = min % 60;

hour = hour + temp;

}

if(hour>=24)

{

temp = hour / 24;

hour = hour%24;

day = day + temp;

}

if(day>28 && month==2 && year%4!=0)

{

temp = day / 28;

day = day%28;

month = month + temp;

}

if(day>29 && month==2 && year%4==0 && year%400==0 && year%100!=0)

{

temp = day / 29;

day = day % 29;

month = month + temp;

}

if(day>30 && (month ==4 || month==6 || month==9 || month==11))

{

temp = day / 30;

day = day % 30;

month = month + temp;

}

if(day>31 && (month==1 || month==3 || month==5 || month==7 || month==8|| month==10))

{

temp = day / 31;

day = day % 31;

month = month + temp;

}

if(day>31 && month==12)

{

day = 1;

month = 1;

year = year + 1;

}

Console.WriteLine("{0}:{1}:{2}:{3}:{4}:{5}", day, month, year, hour, min, sec);

Console.Read();

}

}

}

Q3.

using System;

using System.Collections.Generic;

using System.ComponentModel;

using System.Data;

using System.Drawing;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

using System.Windows.Forms;

namespace WindowsFormsAppQ3

{

public partial class Form1 : Form

{

public Form1()

{

InitializeComponent();

}

private void button1\_Click(object sender, EventArgs e)

{

double salary = Convert.ToDouble(textBox1.Text);

int performance = comboBox1.SelectedIndex;

double bonus=0.0;

if(performance==0)

{

bonus = 0.1 \* salary;

}

else if(performance>0 && performance<=3)

{

bonus = 0.09 \* salary;

}

else if(performance>=4 && performance<7)

{

bonus = 0.07 \* salary;

}

else

{

bonus = 0.05 \* salary;

}

textBox2.Text = "Bonus:" + bonus;

}

}

}

Q4.

using System;

using System.Collections.Generic;

using System.ComponentModel;

using System.Data;

using System.Drawing;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

using System.Windows.Forms;

namespace WindowsFormsAppQ4

{

public partial class Form1 : Form

{

public Form1()

{

InitializeComponent();

}

private void comboBox1\_SelectedIndexChanged(object sender, EventArgs e)

{

if (cbCarName.SelectedIndex == 0)

{

lbModel.Items.Add("Alto");

lbModel.Items.Add("800");

}

else if(cbCarName.SelectedIndex==1)

{

lbModel.Items.Add("SUV");

lbModel.Items.Add("Classic");

}

else if(cbCarName.SelectedIndex==2)

{

lbModel.Items.Add("Fiesta");

lbModel.Items.Add("Fiesta Classic");

}

}

private void button1\_Click(object sender, EventArgs e)

{

if (cbCarName.SelectedIndex == 0 && lbModel.SelectedIndex == 0)

tbPrice.Text = "1,00,000";

else if (cbCarName.SelectedIndex == 0 && lbModel.SelectedIndex == 1)

tbPrice.Text = "2,00,000";

else if (cbCarName.SelectedIndex == 1 && lbModel.SelectedIndex == 0)

tbPrice.Text = "3,00,000";

else if (cbCarName.SelectedIndex == 1 && lbModel.SelectedIndex == 1)

tbPrice.Text = "1,50,000";

else if (cbCarName.SelectedIndex == 2 && lbModel.SelectedIndex == 0)

tbPrice.Text = "3,50,000";

else if (cbCarName.SelectedIndex == 2 && lbModel.SelectedIndex == 1)

tbPrice.Text = "5,00,000";

if (cbCarName.SelectedItem == null || cbColor.SelectedItem == null || lbModel.SelectedItem == null)

{

lblMsg.Text = "Plese fill the appropriate fields. ";

}

else

{

lblMsg.Text = "Thank you for puchasing. ";

}

}

private void btnCancel\_Click(object sender, EventArgs e)

{

cbCarName.Text = "";

cbColor.Text = "";

lbModel.Items.Clear();

tbPrice.Text = "";

lblMsg.Text = "";

}

}

}