MILESTONE 1

MCQ1. Which of the following models is not suitable for accommodating any change?

a.Build and Fix Model

b.Prototyping Model

c.RAD Model

d.Waterfall Model

answer:d

CC1. Write a JavaScript program to display the current day and time in the following format.  
Today is : Tuesday.  
Current time is : 10 PM : 30 : 38

ans.

var today = new Date();

var day = today.getDay();

var daylist = ["Sunday","Monday","Tuesday","Wednesday ","Thursday","Friday","Saturday"];

console.log("Today is : " + daylist[day] + ".");

var hour = today.getHours();

var minute = today.getMinutes();

var second = today.getSeconds();

var prepand = (hour >= 12)? " PM ":" AM ";

hour = (hour >= 12)? hour - 12: hour;

if (hour===0 && prepand===' PM ')

{

if (minute===0 && second===0)

{

hour=12;

prepand=' Noon';

}

else

{

hour=12;

prepand=' PM';

}

}

if (hour===0 && prepand===' AM ')

{

if (minute===0 && second===0)

{

hour=12;

prepand=' Midnight';

}

else

{

hour=12;

prepand=' AM';

}

}

console.log("Current Time : "+hour + prepand + " : " + minute + " : " + second);

MILESTONE 2

MCQ1.Updates that violate \_\_\_\_\_\_\_\_\_\_\_\_\_ are disallowed.

a.integrity constraints

b.Transaction control

c.Authorization

d.DDL commmands

answer:a

CC2. You have two SQL tables: authors and books.

The authors dataset has 1M+ rows; here’s the first six rows:

author\_name book\_name

author\_1 book\_1

author\_1 book\_2

author\_2 book\_3

author\_2 book\_4

author\_2 book\_5

author\_3 book\_6

… …

The books dataset also has 1M+ rows and here’s the first six:

book\_name sold\_copies

book\_1 1000

book\_2 1500

book\_3 34000

book\_4 29000

book\_5 40000

book\_6 4400

… …

Create an SQL query that shows the TOP 3 authors who sold the most books in total.

ans.

SELECT authors.author\_name, SUM(books.sold\_copies) AS sold\_sum

FROM authors

JOIN books

ON books.book\_name = authors.book\_name

GROUP BY authors.author\_name

ORDER BY sold\_sum DESC

LIMIT 3;

MILESTONE 3

MCQ1.To use the .NET Framework Data Provider for SQL server, an application must reference the \_\_\_\_\_\_\_\_\_\_\_\_\_ namespace.

a.System.Data.Client

b. System.Data.SQLClient

c. System.Data.SQL

d.None of the above

answer:b

CC1. Write a C# program remove specified a character from a non-empty string using index of a character.

ans.

using System;

using System.Collections.Generic;

public class Exercise15 {

static void Main(string[] args)

{

Console.WriteLine(remove\_char("cognizant", 1));

Console.WriteLine(remove\_char("cognizant", 9));

Console.WriteLine(remove\_char("cognizant", 0));

}

public static string remove\_char(string str, int n)

{

return str.Remove(n, 1);

}

}