MILESTONE 3:-

MCQ:

What will be the output of the following c# code?

public static void Main(string[] args)

{

double ZERO = 0;

Console.WriteLine("Result of Division By Zero Is :{0}",(0/ZERO));

Console.ReadLine();

}

OPTIONS:

a)1

b)exception argument is thrown

c)NaN

d)0

CODE CHALLENGE:

Write a c# program that would perform Encapsulation. Calculate area of the rectangle create the class rectangle it must contain two class fields and also it must contain the following method Accept Details() Get Area() Display()

Code:

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace RectangleApplication

{

class Rectangle

{

//member variables

private double length;//since the member vairables are declared private we cant access it from the main function

private double width;//sine the methods are delared public we cann access them using class instance

public void Acceptdetails()

{

Console.WriteLine("Enter Length: ");

length = Convert.ToDouble(Console.ReadLine());

Console.WriteLine("Enter Width: ");

width = Convert.ToDouble(Console.ReadLine());

}

public double GetArea()

{

return length \* width;

}

public void Display()

{

Console.WriteLine("Length: {0}", length);

Console.WriteLine("Width: {0}", width);

Console.WriteLine("Area: {0}", GetArea());

}

}

class ExecuteRectangle

{

static void Main(string[] args)

{

Rectangle r = new Rectangle();

r.Acceptdetails();

r.Display();

Console.ReadLine();

}

}

}

MILESTONE 2:-

MCQ

SELECT \* FROM student JOIN takes using(ID);

The above query is equal to

a) SELECT \* FROM student INNERJOIN takes using(ID);

B) SELECT \* FROM student OUTERJOIN takes using(ID);

C) SELECT \* FROM student LEFT OUTER JOIN takes using(ID);

D) None Of The Above

CODE CHALLENGE:

Create two tables (EMPLOYEE and DEPARTMENT).The employee table should contain the following information's (empname,salary,ssn,depid).The department table should contain the following information's (depid,deptname).Perform the following opearions

1. Display the employees name who is having top 3 salary

2. Display maximum,mimimum and average salary

3.Perform joins over the two tables A)INNERJOIN B)LEFT OUTERJOIN C)RIGHT OUTER JOIN

4. Get average salary using the sub querry

CODE:

selecreate database employee1;

use employee1;

create table employee1

(EmpID int not null primary key,

empname varchar(50) not null,

ssn bigint not null,

salary float not null,

depid int not null);

insert into employee1 values(1,'mohan',23445,25000.00,1);

insert into employee1 values(2,'raj',28373,30000.00,2);

insert into employee1 values(3,'vimal',36353,40000.00,3);

insert into employee1 values(4,'tuhin',16151,50000,4);

create table department1

(depid int not null primary key,

deptname varchar(50) not null);

insert into department1 values(1,'dev');

insert into department1 values(2,'test');

insert into department1 values(3,'main');

insert into department1 values(4,'code');

select \* from employee1;

select \* from department1;

--group by

select top(3) salary from employee1

order by salary desc

select top(3) salary from employee1

select \* from employee1;

select max(salary)[max salary], min(salary) [min salary], avg(salary)[avg salary] from employee1;

select depid, sum(salary) [total salary] from employee1

group by depid

order by depid;

select depid, sum (salary) [total salary] from Employee1

group by depid having sum (salary) >= 50000

order by depid;

select top(5) \* from employee1;

select top(5) salary from employee1

order by salary;

select depid,empid from employee1

--between

select empid

from employee1

where empid between 1 and 3;

select \* from employee1

select \* from department1

--joins

select e.empid,e.empname,e.salary,d.depid,d.deptname from employee1 as e inner join

department1 as d on e.depid=d.depid;

select e.empid,e.empname,e.salary,e.depid,d.deptname from employee1 as e left outer join

department1 as d on e.depid=d.depid;

select e.empid,e.empname,e.salary,e.depid,d.deptname from employee1 as e right outer join

department1 as d on e.depid=d.depid;

insert into employee1 values(5,'anoop',54564,35000.00,5);

insert into employee1 values(5,'anoop',54564,null,5);

--subquerry

select EmpID,empname,salary from employee1

where salary > (select avg(salary) from employee1)

MILESTONE 1:

MCQ:

The function stops its execution when it encounters?  
a) continue statement  
b) break statement  
c) goto statement  
d) return statement

CODE CHALLENGE:

Create a table form for job application that would accept the following fields and also perform one validation function for at least one field.(1) get username and validate (2)get gender details (3)give eligible branches (4) give job description (5) get year of passing (6) provide contact details by using table (7) give career link that would switch back to the company portal (8) create a footer that would show the company details and rights reserved (9) set background image (10) add company logo image at the beginning.

CODE:

<!doctype>

<html>

<head>

<meta charset "utf=8">

<title> My FIRST WEBPAGE</title>

<font color="black">

<body>

<style>

body

{

background-image:url('cognizant2.jpg');

background-repeat:no-repeat;

background-attachment:fixed;

background-size:cover;

}

</style>

<header>

<h1><b><u> ENROLL FOR THE JOB NOW</b></u></h1>

</header>

<image src="C:\Users\BLTuser.BLT024hcl8\Desktop\MOHANHTML\ctsimage.jpg" width="500" />

<p><b>THIS IS THE JOB ALERT FOR SYSTEM ADMIN<b></p>

<form>

First Name:<br>

<input type="text" name="fname" maxlength="10">

<br>

<br>

Last Nmae:<br>

<input type="text" name="fname" maxlength="10">

<br>

<br>

<script type="text/javascript">

</script>

<br>

ENTER YOUR GENDER DETAILS

<br><br>

<input type="radio" name="gender" value="male" checked>Male<br>

<input type="radio" name="gender" value="female">Female<br>

<input type="radio" name="gender" value="others">Others<br>

<br>

<input type="submit" value="submit">

<br><br>

ELIGIBLE BATCHES

<br>

<ul>

<li>BCA</li>

<li>MTECH</li>

<li>ME</li>

<li>MS</li>

</ul>

<section>

JOB DESCRIPTION

<p><b>System admin need to maintain system related problems.Must have knowlodge in different os<b></p>

</section>

SELECT YEAR OF PASSING

<br><br>

<select>

<option value="2019">2019</option>

<option value="2020">2020</option>

</select>

<br>

<input type="submit" value="submit"><br><br>

FOR CONTACT REFERENCES<br>

<br>

<style>

table,th,td{

border:1px solid white;

}

</style>

<table style="width:100%">

<tr>

<th><b>NAME<b></th>

<th><b>LOCATION<b></th>

<th><b>CONTACT.INFO<b></th>

</tr>

<tr>

<th><b>MOHAN<b></th>

<th><b>chennai<b></th>

<th><b>8876575466<b></th>

</tr>

<tr>

<th><b>VIMAL<b></th>

<th>sholinganallur</th>

<th>6545666566</th>

</tr>

</table>

<br>

FOR MORE REFRENCES

<br><br>

<a href="https://careers.cognizant.com/global/en">Career at cognizant</a><br>

<hr>

<footer>

<h4>Cognizant Technology Solutions</h4>

<h5>All Rights Reserved &copy; 2020</h5>

</footer>

</form>

</body>

</html>