1)Inheritance

using System;

namespace MyApplication

{

class Vehicle // Base class

{

public string brand = "Ford"; // Vehicle field

public void honk() // Vehicle method

{

Console.WriteLine("Tuut, tuut!");

}

}

class Car : Vehicle // Derived class

{

public string modelName = "tata"; // Car field

}

class Program

{

static void Main(string[] args)

{

// Create a myCar object

Car myCar = new Car();

myCar.honk();

Console.WriteLine(myCar.brand + " " + myCar.modelName);

}

}

}

2)  Write a C# Sharp program that takes three letters as input and display them in reverse order. Go to the editor  
Test Data  
Enter letter: b  
Enter letter: a  
Enter letter: t  
Expected Output :  
t a b

using System;

public class HelloWorld

{

public static void Main(string[] args)

{

int n=3;

//string str;

Console.Write("Enter a Letter1: ");

string str = Console.ReadLine();

Console.Write("Enter a Letter2: ");

string str1 = Console.ReadLine();

Console.Write("Enter a Letter3: ");

string str2 = Console.ReadLine();

Console.Write("Result {0} ",str2+" "+str1+" "+str);

}

}

3)Write a C# Sharp program that takes a number and a width also a number, as input and then displays a triangle of that width, using that number. Go to the editor

Test Data

Enter a number: 6

Enter the desired width: 6

Expected Output :

666666

66666

6666

666

66

6

// Online C# Editor for free

// Write, Edit and Run your C# code using C# Online Compiler

using System;

public class sample

{

static void Main(string[] args)

{

Console.Write("Enter a number : ");

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

Console.Write("Enter width : ");

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

int height = width;

for(int i=0;i<height;i++){

for(int j=0;j<width;j++){

Console.Write(a);

}

Console.WriteLine();

width--;

}

}

}

4) Write a C# Sharp program that takes userid and password as input (type string). After 3 wrong attempts, user will be rejected.

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using System;

public class HelloWorld

{

public static void Main(string[] args)

{

string name ="Sanjana";

string password ="Sanjana@23";

int i=0;

while(i<3)

{

Console.Write ("Enter username : ");

string username = Console.ReadLine();

Console.Write ("Enter Password : ");

string pass = Console.ReadLine();

if(username == name && pass==password)

Console.WriteLine ("Login Successfull ");

else

Console.Write ("Wrong username or password ");

break;

}

i++;

if(i>3)

Console.Write ("Access Deny ");

Console.ReadLine();

}

}

5) Write a C# Sharp program to display certain values of the function z = a2 + 5a - 2 (using integer numbers for y , ranging from -5 to +5).

class polymial

{

public static void Main(string[] args)

{

int x, y;

for (y = -5; y <= 5; y++)

{

x = y \* y - 2 \* y + 1;

Console.WriteLine(

"y = {0} ; x=({0})² - 2\*({0}) +1 = {1}",

y, x);

}

}

}

DAY 5 ====16/09/2022

Question 1.

abstract class Solid{ public abstract double Volume(); public abstract double SurfaceArea(); public void Show() { MessageBox.Show('Volume : ' + Volume()); MessageBox.Show('Surface Area : ' + SurfaceArea()); }}class Cube : Solid{ }abstract class Cylinder : Solid

{

}

Question 2.

Hide the Bank Account numberWrite a function in Python that accepts Your Bank Account number. It should return a string where all the characters are hidden with an asterisk except the last four. For example, if the function gets sent "878375834754", then it should return "4754".

Input: 123456789

Output:\*\*\*\*\*6789

// Online C# Editor for free

// Write, Edit and Run your C# code using C# Online Compiler

using System;

namespace PassWord

{

public class PassWord

{

public static void Main(string[] args)

{

string num;

Console.Write("Enter number : ");

num= Console.ReadLine();

int len = num.Length;

Console.Write("Account\_Number: ");

for(int i=0;i<len;i++)

{

if(i<len-4)

Console.Write("\*");

else

Console.Write(num[i]);

}

Console.ReadLine();

}

}

}