**Welcome Aliens**

You reside in a desert place, One day a space shuttle lands in front of your eyes. An Alien comes out of the space shuttle. The alien was so friendly and you just want to welcome it to our planet.  
  
Write a program to welcome the alien to our planet EARTH.

**Input Format:**

Input consists of a single string (char array) that corresponds to the name of the alien.

**Output Format:**

Refer to sample output for formatting specifications.

**[All text in bold corresponds to input and the rest corresponds to output]**

**Sample Input and output 1:**  
Enter your name:  
**Naoto**  
Hello Naoto ! Welcome to our planet Earth.

**Sample Input and output 2:**  
Enter your name:  
**Birunda**  
Hello Birunda ! Welcome to our planet Earth.

**ANS:**

using System;

class HelloWorld {

static void Main() {

string name = Console.ReadLine();

Console.WriteLine("Hello " + name + " ! Welcome to our planet Earth.");

}

}

**Dynamic Web Site --- Prototype**

College web team has planned to develop a dynamic college web site using STRUTS framework. They submitted this project proposal to the Principal. Principal asked them to develop a prototype of the Home Page and asked them to give a demo tomorrow.

College web team requests your help to develop the prototype. Can you please help them out?

**Input and Output Format:**

Input consists of College Name(String), College Locality (String]), Vision Statement ( String), Mission Statement (String ), No. Of Departments (int), Students Strength (int) and College rating (char).

Refer sample input and output for exact formatting specifications.

[NOTE:The count of horizontal lines is 30[underscore]].

**Sample Input and Output:**

**[All text in bold corresponds to input and the rest corresponds to output]**

Enter college name

**KIT**

Enter college locality

**Bangalore**

Enter college's vision

**EnrichingStudentMinds**

Enter college's mission

**ActivityBasedLearning**

Enter the number of departments

**5**

Enter student strength

**1000**

Enter college rating

**A**

KIT

Bangalore

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Vision

EnrichingStudentMinds

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Mission

ActivityBasedLearning

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Number of departments

5

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Student Strength

1000

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

College Rating

A

**ANS:**

using System;

class HelloWorld

{

static void Main()

{

dynamic CollegeName;

dynamic CollegeLocality;

dynamic visionStatement;

dynamic MissionStatement;

int noofdepartment;

int studentstrength;

char CollegeRating;

Console.WriteLine("Enter college name");

CollegeName = Console.ReadLine();

Console.WriteLine("Enter college locality");

CollegeLocality = Console.ReadLine();

Console.WriteLine("Enter vision Statement");

visionStatement = Console.ReadLine();

Console.WriteLine("Enter mission Statement");

MissionStatement = Console.ReadLine();

Console.WriteLine("Enter noofdepartment");

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

Console.WriteLine("Enter student strength");

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

Console.WriteLine("Enter collegerating");

CollegeRating = Convert.ToChar(Console.ReadLine());

Console.WriteLine(CollegeName);

Console.WriteLine(CollegeLocality);

Console.WriteLine("vision \n" + visionStatement);

Console.WriteLine("mission \n" + MissionStatement);

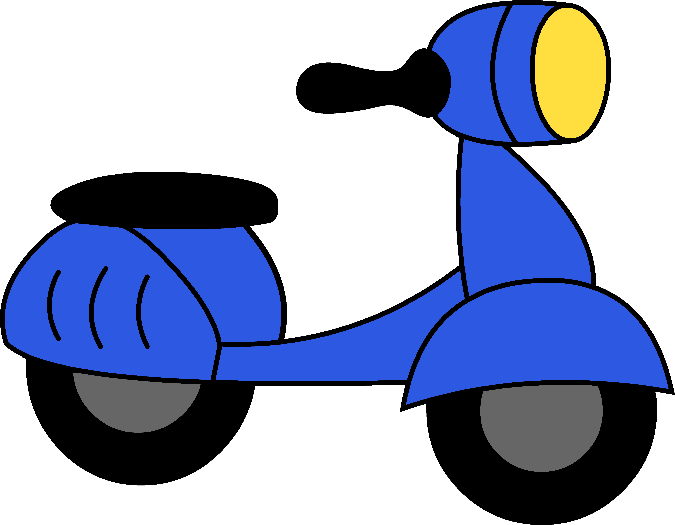
Console.WriteLine(CollegeRating);

}

}

**Calculating Gain Percentage**

Vikram buys an old scooter for Rs. A and spends Rs. B on its repairs. If he sells the scooter for Rs. C, what is his gain percentage?



Write a program to compute the gain percentage.  
  
**Input Format:**

The first input is an integer that corresponds to A. The second input is an integer which corresponds to B. The third input is a float which corresponds to gain percentage.

**Output Format:**

The float values are displayed in 2 decimal places.  
Refer sample Input and Output for formatting specifications.

**Sample Input and Output:**

**[All text in bold corresponds to input and the rest corresponds to output]**

Price of old scooter:

**4700**

Repair amount:

**800**

Selling price:

**5800**

Gain percentage is 5.45

**ANS:**

using System;

namespace ConsoleApp1

{

internal class Program

{

static void Main(string[] args)

{

Console.WriteLine("Price of old scooter");

double price\_old\_scooter = Convert.ToInt32(Console.ReadLine());

Console.WriteLine("Repair amount");

double repair = Convert.ToInt32(Console.ReadLine());

Console.WriteLine("Selling price");

double selling\_price = Convert.ToInt32(Console.ReadLine());

double cost\_price = repair + price\_old\_scooter;

double gain = selling\_price - cost\_price;

double gain\_perc = (100 \* gain) / cost\_price;

Console.WriteLine(gain\_perc);

}

}

}

**Celsius to Fahrenheit Converter**

The relationship between Celsius (C) and Fahrenheit (F) degrees for measuring temperature is linear. Find an equation relating C and F if **0 C** corresponds to **32 F** and **100 C** corresponds to **212 F**.  
Write a program to simulate Celsius to Fahrenheit Converter.

**Input Format:**

Input consists of a single integer which corresponds to a measure of temperature in Celsius.

**Output Format:**

The output is an integer indicates the Fahrenheit for the given Celsius.  
All floating-point values are displayed correctly to 1 decimal place.  
Refer to Sample Input and Output for exact formatting specifications.

**Sample Input and Output:**

**[All text in bold corresponds to input and the rest corresponds to output.]**

Temperature in Celsius:

**12**

Temperature in Fahrenheit is 53.6F

using System;

namespace Celsius\_to\_Fahrenheit\_Converter

{

internal class Program

{

static void Main(string[] args)

{

Console.WriteLine("Enter Temperature in Celsius");

double celsius = double.Parse(Console.ReadLine());

double Fahrenheit = (celsius \* 1.8) + 32;

Console.WriteLine("Temperature in Fahrenheit is " + Fahrenheit + "F");

}

}

}