using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace CustomException

{

class CustomException

{

public class InvalidNumberException:Exception

{

public InvalidNumberException(string msg):base(msg)

{

}

}

public class InvalidNameException : Exception

{

public InvalidNameException(string msg) : base(msg)

{

}

}

public class InvalidCategoryException : Exception

{

public InvalidCategoryException(string msg) : base(msg)

{

}

}

static void Main(string[] args)

{

Console.WriteLine("Enter Customer Number");

string Cust\_No = Console.ReadLine();

Console.WriteLine("Enter Customer Name:");

string Cust\_Name = Console.ReadLine();

Console.WriteLine("Enter Category:");

string category = Console.ReadLine();

Customer c = new Customer(Cust\_No, Cust\_Name, category);

try

{

c.INException(Cust\_No, Cust\_Name, category);

}

catch(InvalidNumberException e)

{

Console.WriteLine(e);

}

catch(InvalidNameException ex)

{

Console.WriteLine(ex);

}

catch(InvalidCategoryException exp)

{

Console.WriteLine(exp);

}

Console.ReadLine();

}

public class Customer

{

private string cust\_No;

private string cust\_Name;

private string category;

public Customer(string cust\_No, string cust\_Name, string category)

{

this.cust\_No = cust\_No;

this.cust\_Name = cust\_Name;

this.category = category;

}

public string CustNo

{

get

{

return cust\_No;

}

set

{

cust\_No = value;

}

}

public string CustName

{

get

{

return cust\_Name;

}

set

{

cust\_Name = value;

}

}

public string Category

{

get

{

return category;

}

set

{

category = value;

}

}

public void INException(string cust\_No, string cust\_Name, string category)

{

if(!(cust\_No.StartsWith("c") || cust\_No.StartsWith("C")))

throw new InvalidNumberException("Number must starts with either c or C");

else

Console.WriteLine("Customer Number{0}", cust\_No);

if (cust\_Name.Length < 4)

throw new InvalidNameException("Name should be atleast 4 character");

else

Console.WriteLine("Customer Name{0}", cust\_Name);

if (!(category == "Platinum" || category == "Gold" || category == "Silver"))

Console.WriteLine("Category {0}", category);

else

throw new InvalidCategoryException("Category should be Platinum or Gold or Silver");

}

}

}

}