using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace C\_Sharp\_Assignment\_No\_4

{

//Create public Class "Admission"

class Admission

{

//Create required fields/variables for Admission of Students

public string Name;

public double Per\_in\_Matriculation;

public double Per\_in\_Intermediate;

public string Group\_in\_Matriculation;

public string Group\_in\_Intermediate;

public string Department;

public int Age;

//Create Parameterized Constructor for Setting Values.

public Admission(string name, double per\_in\_Matric, double per\_in\_Inter, string group\_in\_Matric, string group\_in\_Inter, string department, int age)

{

Name = name;

Console.WriteLine("Student Name is: " + Name);

Per\_in\_Matriculation = per\_in\_Matric;

Console.WriteLine("Percentage in Matric: " + Per\_in\_Matriculation + "%");

Per\_in\_Intermediate = per\_in\_Inter;

Console.WriteLine("Percentage in Inter: " + Per\_in\_Intermediate + "%");

Group\_in\_Matriculation = group\_in\_Matric;

Console.WriteLine("Your Group in Matric is: " + Group\_in\_Matriculation);

Group\_in\_Intermediate = group\_in\_Inter;

Console.WriteLine("Your Group in Inter is: " + Group\_in\_Intermediate);

Department = department;

Console.WriteLine("Department is: " + Department);

Age = age;

Console.WriteLine("Your Age is suitable for Admission: " + Age);

Console.WriteLine("Congratulations! Your Admission have Conformed Successfully.");

}

}

class AdmissionMain

{

static void Main(string[] args)

{

Console.WriteLine("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*Welcome to Virtual University\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

Console.WriteLine("--Admission Open in Various Department with Eligibility Criteria--");

Console.WriteLine("The Following Instructions must be read carefully for Confirmed Admission Successfuly:");

Console.WriteLine(" (a) Department Selection Criteria.");

Console.WriteLine(" Group in Intermediate:");

Console.WriteLine();

Console.WriteLine("\t 1) Pre-Engineering: \t\t\t 2) Pre-Medical:");

Console.WriteLine("\t\t i) Business Administration. \t\t i) Pharmacy.");

Console.WriteLine("\t\t ii) Computer Science. \t\t\t ii) Botany.");

Console.WriteLine("\t\t iii) Electronics. \t\t\t iii) Zoology.");

Console.WriteLine("\t\t iv) Mathematics. \t\t\t iv) Biochemistry.");

Console.WriteLine("\t\t v) Physics. \t\t\t\t v) Chemistry.");

Console.WriteLine();

Console.WriteLine(" (b) Some other necessary Criteria for applying Admission.");

Console.WriteLine("\t\t i) No Student can opt for Department that was not in his study Group in Inter which are shown above.");

Console.WriteLine("\t\t ii) Minimum Matriculation Percentage is 70%");

Console.WriteLine("\t\t iii) Minimum Intermediate Percentage is 60%");

Console.WriteLine("\t\t iv) Minimum Age is 18 years old.");

Console.WriteLine("--------------------------------------------------------------------------------------------------------");

Console.WriteLine("\t\t\*\*\*\*\*\*\*\*\*\*\*Application Start Here\*\*\*\*\*\*\*\*\*\*\*\*");

for(int i=1; i<=5; i++)

{

Console.WriteLine("--------------------------------------------------------------------------------------------------------");

Console.WriteLine("Note: All fields would be inserted in Proper Case i.e. (Pre-Engineering, Pre-Medical, Business Administration,\n Computer Science etc..), otherwise your data would not be accepted.");

Console.WriteLine("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

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

string name = Console.ReadLine();

if (string.IsNullOrEmpty(name))

{

Console.WriteLine("--------------------------------------------------------------------------------------------------------");

Console.WriteLine("Your Name is manadatory for further proceed!");

Console.WriteLine("Sorry! Your Admission is not Conformed.");

Console.WriteLine();

}

else {

Console.WriteLine("Enter your Matric Percentage:");

double per\_in\_Matric = Convert.ToDouble(Console.ReadLine());

if (per\_in\_Matric != 70 && per\_in\_Matric < 70)

{

Console.WriteLine("Your Percentage {0}% is not meets Condition." , per\_in\_Matric);

Console.WriteLine("Sorry! Your Admission is not Conformed.");

Console.WriteLine();

continue;

}

Console.WriteLine("Enter your Intermediate Percentage:");

double per\_in\_Inter = Convert.ToDouble(Console.ReadLine());

if (per\_in\_Inter != 60 && per\_in\_Inter < 60)

{

Console.WriteLine("Your Percentage in Intermediate is not suitable for admission!");

Console.WriteLine("Sorry! Your Admission is not Conformed.");

Console.WriteLine();

continue;

}

Console.WriteLine("Enter your Group in Matriculation only(Biological Science/Computer Science)");

string group\_in\_Matric = Console.ReadLine();

if (group\_in\_Matric != "Biological Science" && group\_in\_Matric != "Computer Science")

{

Console.WriteLine("Your Group in Matric is not meets with Admission Policy or improper Case as shown above in Note..");

Console.WriteLine("Sorry! Your Admission is not Conformed.");

Console.WriteLine();

continue;

}

Console.WriteLine("Enter your Group in Intermediate only(Pre-Engineering/Pre-Medical)");

string group\_in\_Inter = Console.ReadLine();

if (group\_in\_Inter != "Pre-Engineering" && group\_in\_Inter != "Pre-Medical")

{

Console.WriteLine("Your Group in Intermediate is not meets with Admission Policy or improper Case as shown above in Note..");

Console.WriteLine("Sorry! Your Admission is not Conformed.");

Console.WriteLine();

continue;

}

Console.WriteLine("Enter your Department for which you are applying for");

string department = Console.ReadLine();

if (department != "Business Administration" && department != "Computer Science" && department != "Electronics" && department != "Mathematics" && department != "Physics" && department != "Pharmacy" && department != "Botany" && department != "Zoology" && department != "Biochemistry" && department != "Chemistry")

{

Console.WriteLine("You have selected invalid department which are not present in 'Group in Intermediate' or improper Case as shown above.");

Console.WriteLine("Sorry! Your Admission is not Conformed.");

Console.WriteLine();

continue;

}

Console.WriteLine("Enter your Age which is at least 18 years old.");

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

if (age != 18 && age < 18)

{

Console.WriteLine("Your Age is not suitable for Admission as shown above.");

Console.WriteLine("Sorry! Your Admission is not Conformed.");

continue;

}

Console.WriteLine("--------------------------------------------------------------------------------------------------------");

Admission nameofstd = new Admission(name, per\_in\_Matric, per\_in\_Inter, group\_in\_Matric, group\_in\_Inter, department, age);

Console.WriteLine();

}

}

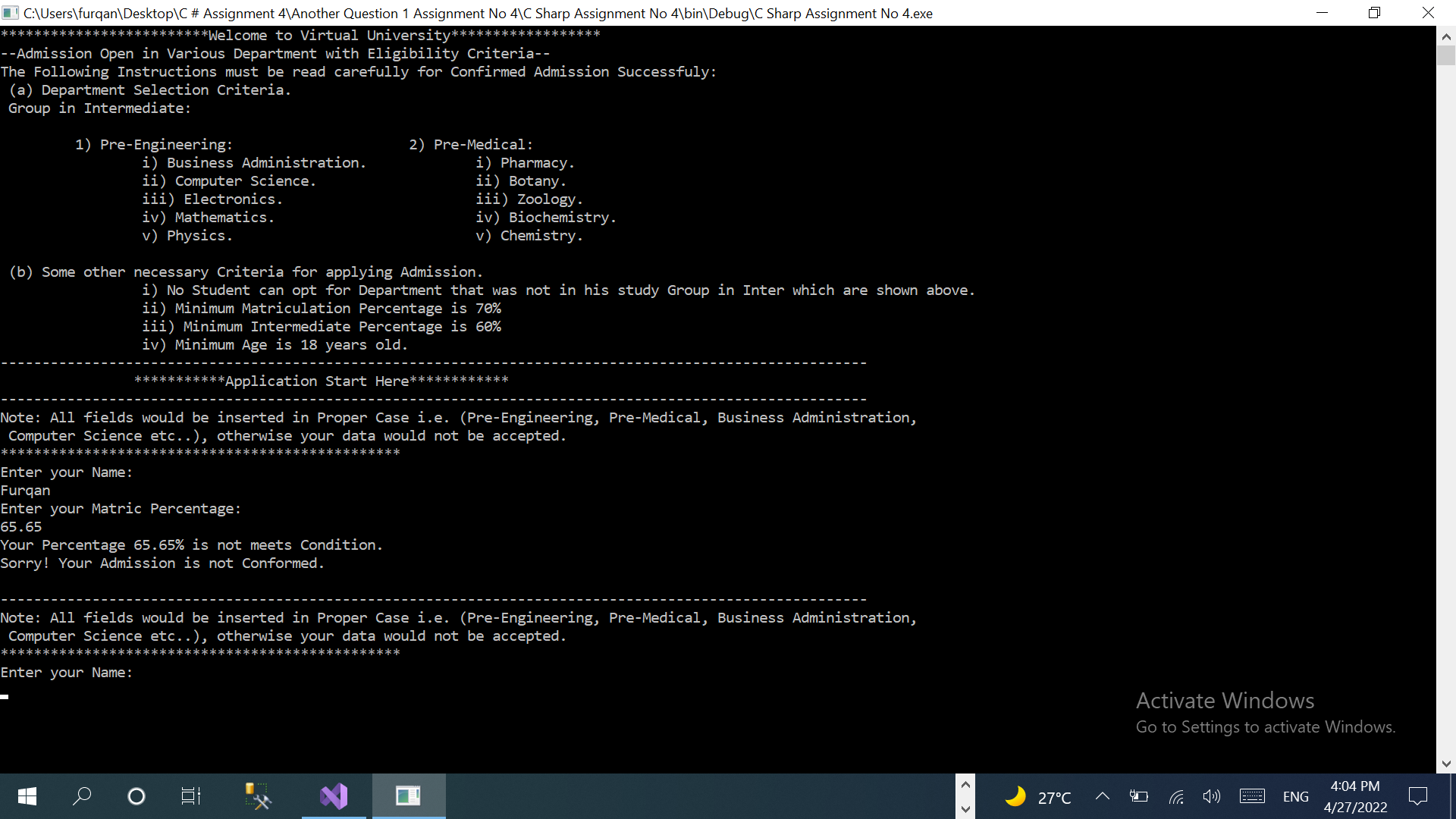
Console.Read();

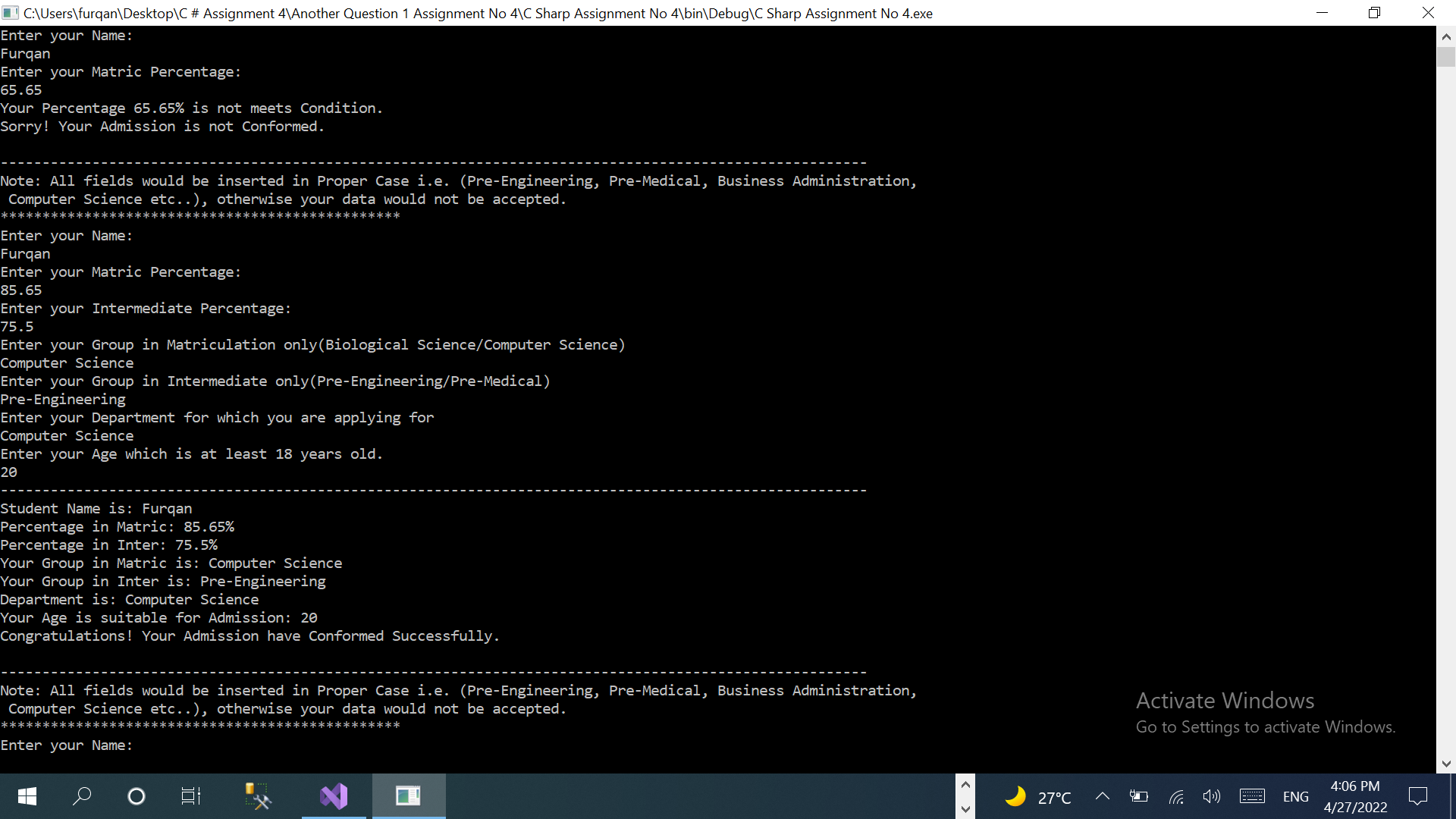
}

}

}

**Output**

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