Rajshahi Govt. Mohila Polytechnic Institute

Name: shila aktar

Roll: 420642

Technology: CMT

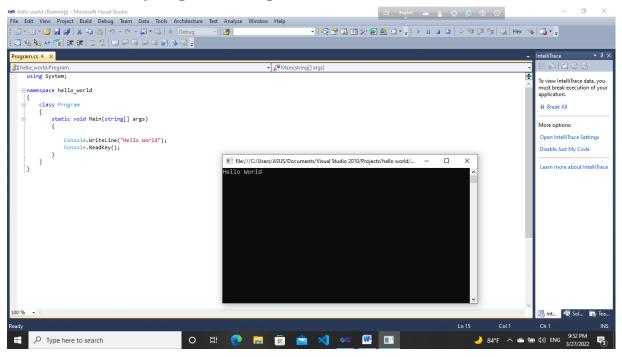
Semester: 4th

Shift: 2nd

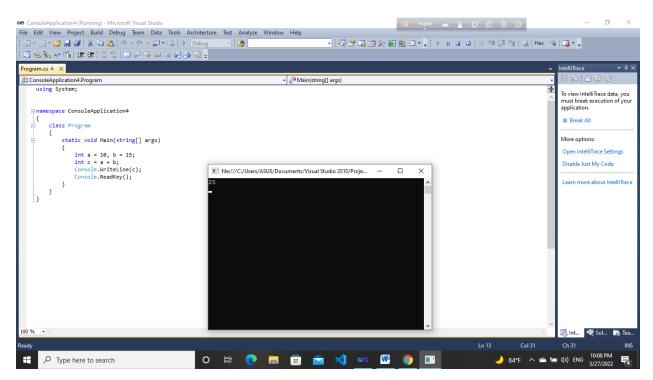
Subject: Object Oriented Programming

Assignment

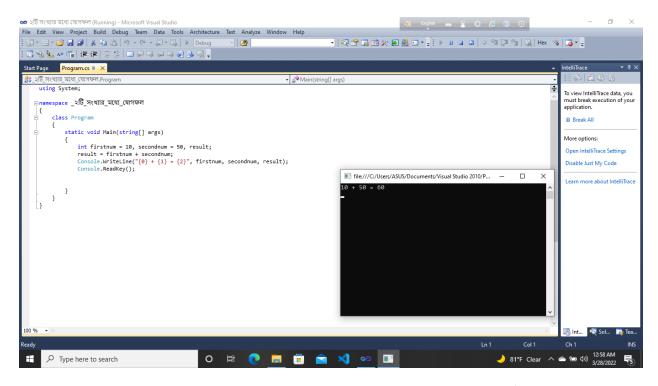
1. Hello world programming



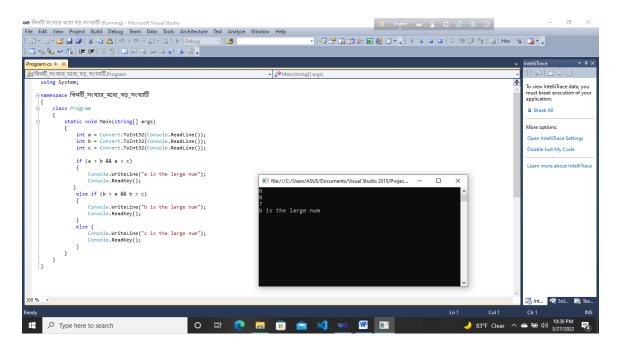
2.দুটি সংখ্যার যোগফলের প্রোগ্রাম..



3. ইনপুট নিয়ে দুটি সংখ্যার যোগফল নির্ণয় program...



4. ইনপুট নিয়ে তিনটি সংখ্যার মধ্যে বড় সংখ্যাটি নির্ণয়ের প্রোগ্রাম...



5. শর্তসাপেক্ষ ত্রিভুজের ক্ষেত্রফল নিনয় program..

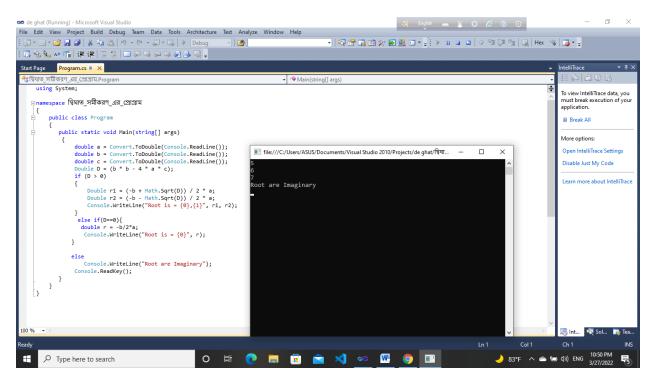
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🚥 তিনটি সংখ্যার মধ্যে বড় সংখ্যাটি - Microsoft Visual Studio
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  □ % ፟ ▲ ☆ 惟 | 提 提 | □ 2 | □ 2 2 3 4 4 4 5 9 ,
    🎎 শর্তসাপেক্ষে_ত্রিভূজের_ক্ষেত্রফল_নির্ণয়.Program

        → Main(string[] args)

       using System;
             nespace শর্তসাপেক্ষে_ত্রিভূজের_ক্ষেত্রফল_নির্ণয়
                  static void Main(string[] args)
                       Console.Write("enter the length of side 1:");
                      Console.Write("enter the length of side 1: 7)
double a = Convert.ToDouble(Console.Readline());
Console.Write("enter the length of side 2:");
double b = Convert.ToDouble(Console.Readline());
Console.Write("enter the length of side 3:");
double c = Convert.ToDouble(Console.Readline());
                       Console.WriteLine("not a vaild triangle");
Console.ReadKey();
                       double s = (a + b + c) / 2;
double area = Math.Sqrt(s * (s - a) * (s - b) * (s - c));
                       Console.WriteLine("area of a triangle= {0}", area);
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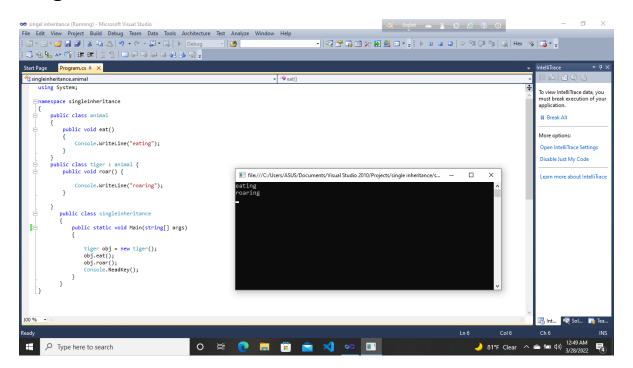
6. দ্বিঘাত সমীকরণ program..



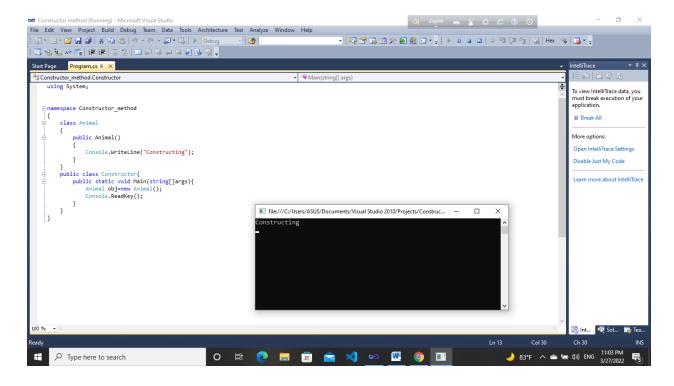
7. Data Abstration program...

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   Start Page Program.cs ≜ X
   Animal 
                                                                                                                                                                                                                                                                 - ■ Eat()
             □public abstract class Animal
                             public abstract void animalSound();
                             public void Eat()
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             More options:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Open IntelliTrace Settings
                                          Console.WriteLine("Eating");
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Disable Just My Code
                                                                                                                                                                                     III file:///C:/Users/ASUS/Documents/Visual Studio 2010/Projects/data abstraction/data abst...
                             public class Dog : Animal
{
                                        public override void animalSound()
                                                     Console.WriteLine("Barking");
                                 public class Abstration_program
                                l
static void Main(string[]args)
                             {
Dog obj = new Dog();
obj.animalSound();
obj.Eat();
                             Console.ReadKey();
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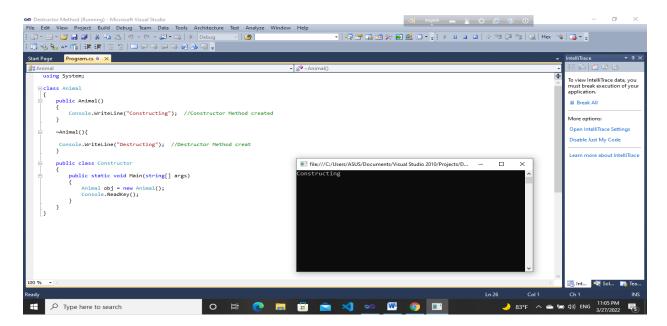
8. Single Inheritance ...



9. Constructor Method....



10. Destructor Method



11. Multilevel Inheritance

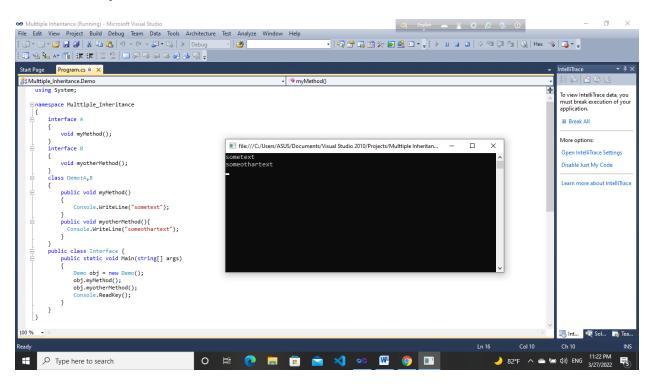
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- 0 X
 Program.cs ×
                                                                            - ■ Eat()
       namespace Multilevel_Inheritance
             public void Roar()
{
                Console.WriteLine("Roaring");
          public class BabyTiger : Tiger
{
             public void Weep(){
   Console.WriteLine("Weeping");
           public class MultilevelInheritance
             public static void Main(string[] args){
    BabyTiger obj=new BabyTiger();
                                            O # 🥷 🔚 🛱 🖎 🗸 🐷 🖫
                                                                                                                      83°F Λ ♠ ♠ ♠) ENG 11:10 PM 3/27/2022
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                                                                       Program.cs a ×
          neritance.Animal

Console.WriteLine("Weeping");
                                                                                                                            To view IntelliTrace data, you 
must break execution of your 
application.
         ublic class MultilevelInheritance
                                                 ■ file:///C:/Users/ASUS/Documents/Visual Studio 2010/Projects/Multiley... — □ ×
                                                                                                                            II Break All
         public static void Main(string[] args){
    BabyTiger obj=new BabyTiger();
                                                                                                                            More options:
            obj.Eat();
obj.Roar();
obj.Weep();
                                                                                                                            Disable Just My Code
             Console.ReadKey();
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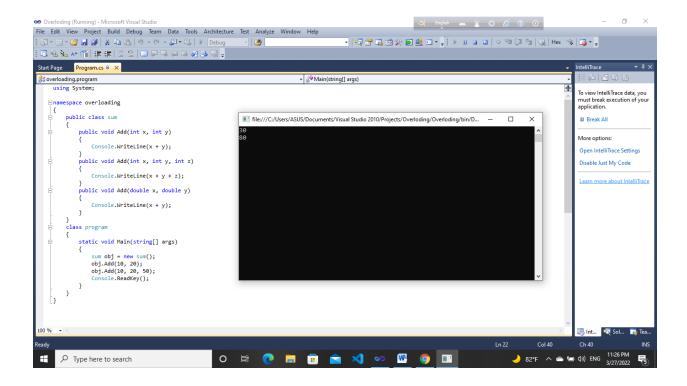
12. Hierarchical Inheritance

```
File Edit View Project Build Debug Team Data Tools Architecture Test Analyze Window Help
                                                                                                                        Start Page Program.cs Program.cs
                                                                                                                                                                                                                  To view IntelliTrace data, you must break execution of your application.
     □namespace Hierarchical_Inheritance
                                                                                                                                                                                                                   III Break All
           public class Animal{
  public void Eat(){
  Console.WriteLine("Eating");
}
                                                                          III file:///C:/Users/ASUS/Documents/Visual Studio 2010/Projects/Hierarchical Inheritan... —
           public class Tiger : Animal{
   public void Roar(){
   Console.WriteLine("Roaring");
                                                                                                                                                                                                                   Disable Just My Code
                                                                                                                                                                                                                    Learn more about IntelliTrace
            public class Lion : Animal {
public void Run(){
Console.WriteLine("Runing");
           }
public class HierarchicalInheritance{
public static void Main (string[]args){
    Tiger obj = new Tiger();
    tion obj2= new Linn();
        obj.Eat();
        obj.Eat();
        obj.Ran();
        obj.Ran();
        corola kearden();
                     sole.ReadKey();
                                                                                                                                                                                         → 82°F ^ 🕾 🖅 (1)) ENG 11:16 PM 3/27/2022
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```

13. Multiple Inheritance



14. Overloding Method (Polymorphism)



15. for loop a সিরিজের যগফল(১+২+৩+.....+১০০)

```
Start Page Program.cs a ×
 using System;
                                                                                                                        To view IntelliTrace data, you must break execution of your
   □namespace 1 2 3 . . . 100
                                                                                                                        application.
       class program
                                                                                                                        II Break All
         static void Main(string[] args)
            int i, sum = 0;
for (i = 1; i <= 100; i++)
{</pre>
                                                                  III file:///C:/Users/ASUS/Documents/Visual Studio 2010/Projects/1+2+3+.....
                                                                                                                  sum = sum + i;
            }
Console.WriteLine("Sum of 1+2+3+...+100={0}", sum);
Console.ReadKey();
   \left[
ight.\} // any lope--1. intialization, 2. condition, 3. increment/decrement or iterator
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