Name Nikhil Gupta Roll No. 20051523 Subject Web Tech Batch CSE 06 Bonanch CSE Assignment 7 Pues 1 Static Variable Example public class ques ( { int price; Storing name; Static Stering category = "Fruits"; ques (int Fporice, Storing Frame) price = Fprice; name = Frame; Void display() } System.out.perint Ln (price + "\t" + name + "\t"+ category);

```
Close static Test

{

Public static void main (Staning[] angs)

{

quest obj! = new quest (100, 'Orange');

quest obj? = new quest (200, 'Apple');

obj! display();

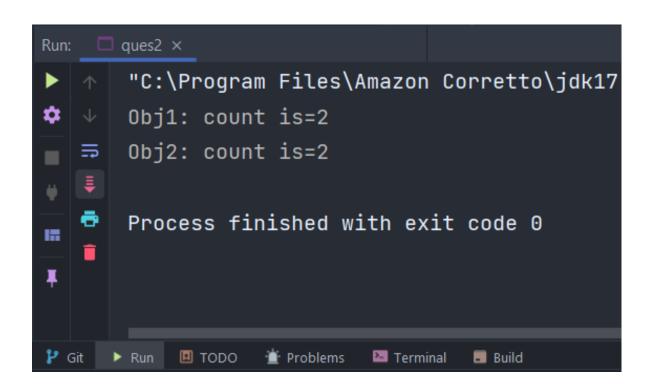
obj? display();

}
```

```
Run: staticTest × |

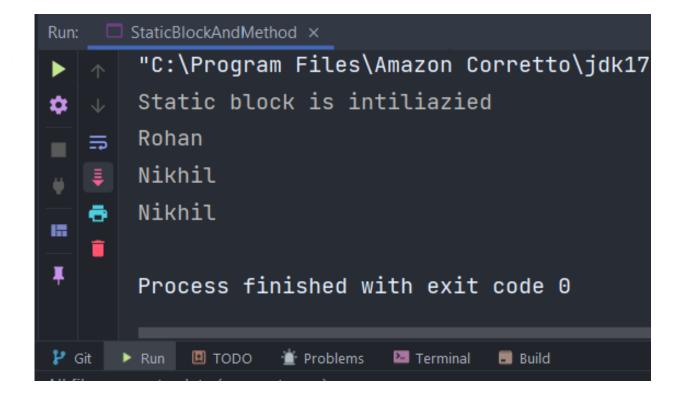
The contract of the contr
```

```
Working of Static Variable with counter
dass ques 2
  Static int count =0;
  public void increment ()
      count ++;
  public static void main (Storing[] args)
     ques 2 obj1 = new ques 2();
     ques 2 obj2 = new ques 2();
     objl. increment ();
     obj2. dinorement ();
    System. out. perintln ("Obj1: count is = "+ obj1. count),
   System. out. print Ln ("Obj 2: count is = "+ obj 2. count)
```



```
Ques 3 Static Mothods & Static Block
 Public class Static Block And Method &
       public static void main (storing [] ange) {
             Static block el = new static block ();
             el. Show Name ();
             Static_block. change Name ();
            Static_block e2 = new Static_block ();
           Static_block e3 = new static_block();
          e2. Show Name ();
          e3. Show Name ();
        3
public class Static-block {
       Static Storing name = " Rohan";
    Static &
        System. out. paint Ln ("Static block is initialized");
   Static void change Name ()
         name = "Nikhil";
```

```
Void Show Name () {
System. out. paint Ln (name);
}
```

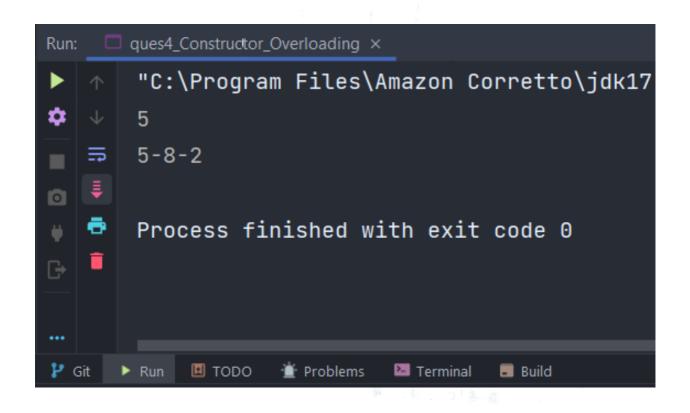


```
r je i e
Ques 4 Constructor Overloading
 Public class quest_Constauctor_Overloading {
      void que 5 ()
        z = 0;
      void quest (int x)
         z=z+ x;
     Void ques 5 (int x, inty)
     System. out. pouint Ln(z);

System. out. pouint Ln(z + "-" + x +"-" + y);

}
   public static void main (String [] angs)
     ques 4-Constaurt on_Overloading obj = new
                            quet_Constructor_Ovelloading()
```

```
Obj. ques 5();
Obj. ques 5(5);
Obj. ques 5(8,2);
```

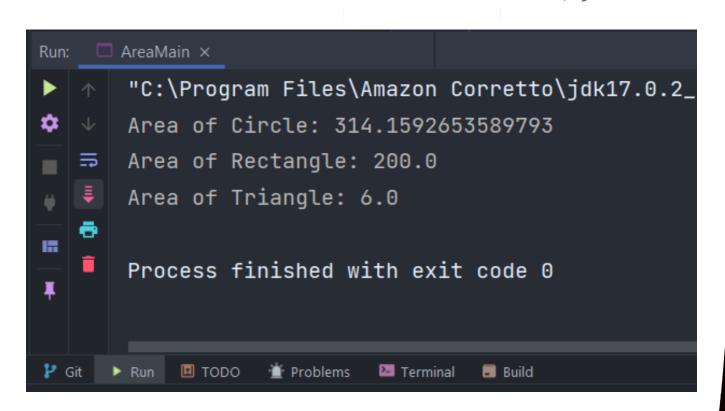


gues 5 Ovorload Down ()

```
Overload Dra. java
 public class overload Down () {
       public static double area (double consolius)
        return Moth. P1 * (radius * radius);
      public 8tatic double area (double length, double broadth)
        getween length * breadth;
      public static double sown (inta, int b, int c)
         double temp = (a + b + c);
          double s= temp/2;
          double magfTriangle = Moth. squt (8*(8-a)*
                             (8-6)*(8-c))s
         gret vous vrea of Triongle;
```

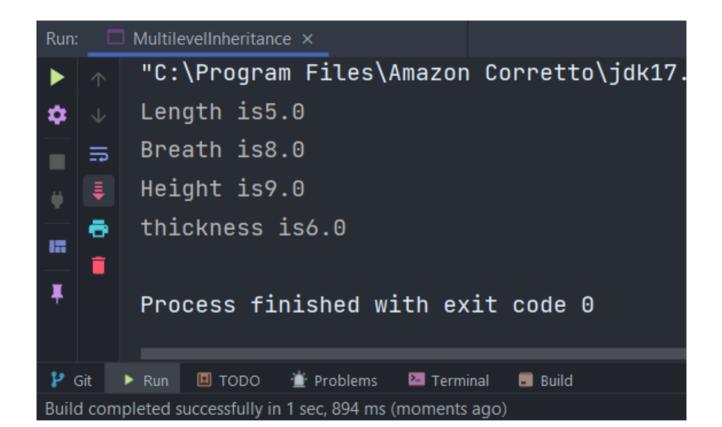
Drea Main. java

Public class DreaMain { public static void main ("Down of Cincle:" + Overload pres area (10)); public static void main (Staing[] angs) { System.out.pointln ("Dorea of Circle: " + Overload Area. area (10)); System. out. pointh ("Drea of Rectangle: "+ Overload Dres. area (10, 20)); System. out. paintln ("Doca of Tociongle: " + Overload Brea. over (2, 4, 6));



```
Constructor in Multilevel Inhoritance
 Public doss Multilevel Inheritance }
      public static void main (Storing[] angs) {
         woodBox : wobjw=new WoodBox (8, 9, 5, 6);
          objw. show Properties ();
class Plate {
      float width;
      float bugth;
      Plate (flost width, float length) {
             this width = width;
            this. length = length;
Class Box extents Plate &
        float height;
```

```
Box (float width, float height, float length) {
           8 upon (width, bugth);
           this. height = height;
Class Wood Box extents Box {
       float thickness;
   WoodBox (floot width, flood height, floot length, floot
                                       thickness )
      Super (widts, height, length);
      this thickness = thickness;
  void show pr
    void show Properties () }
    System. out. paintln ("Lougth: " + lougth);
   System, out printly ("Breadth:"
                                       + width):
   System. out. print In (" Height: " + height);
   System. out. point In ("Thickness: " + thickness);
```



```
Ques 7 Agea of Circle of Rectangle
 Imposet java. util. Scanner;
 Public class ques 7_inhocitance_main {
         public static void main (Storing [] args) {
            Scanner &c = new Scanner (System. in);
            Cincle | cod = new Cincle ();
           System. out. printly ("Enter Radius");
           (ncl. 91 = 8c. next Int();
           System. out. pountln ("Area of Circle is: ");
          cord. circle avea ();
          System. out. println ("Lougth of Breadth of
                              Rectougle: ");
          Rectangle nec = new Rectangle();
          rec. a = 8c. next lut();
          System out printing
          nec. b = sc. next lut();
          System. out. perint Ln (" Drea of Rectangle:");
          nec. recover()
```

```
ques 7_ inheritance _ denso. jour
Class Shape &
       float avea;
       Void show Agrea () {
           Systom. out. point In (accea);
 class Circle 1 extends Shape {
        float radi
        void circle area () }
          orea = mad * math. PI;
          Show Doa ();
 class Rectangle extento Shape ?
          float a, b;
        void recarea() }
           ava = a *b;
           Show Doven ();
```

