```
Date 3/11/2020
Expt. No.
                                               double area = 0.5 + a + b;

system out puintln ("Area of triangle = " + area);
 class onch extends shape ?
void getdata (double x)
    void punt aua ()
   double area = 3.14 * a * a;

systemout guntln ("Area of clicle = " + area);
 public static void (strings [] args)
     3cannes scan = new scanner (system-in);
     int ch;
     shape se';
     rectangle r = new rectangle ();
     trangle t = new triangle ();
                 = new cude
      encle C
                                  Teacher's Signature
```

Date 3/11/2020 Page No. 24 Expt. No. _ system out-puntler ("|n1 Rectongle |n2. Teiongle |n 3. Cércle |n Enter your choice: ") ch = scan nect Int (); suitch (ch) cases: System.out. println ("Entu length and breadth: "); double 1 = scan next Double(); double b = scan. next Double(); r. getdata (1, b); o GuntArea(); Case 2: System out print-en ("Enter base and height: "); double 61 = scan. donect Double () double h = scan next Double (); t. getdata (bs, h); t. print Area (); break; Case 3: System.out.println ("Enter radius: ");

double r1 = scan.next Double (); c. getdata(11); c. puntAsea() default: Bystem. out peint In (" Invalid Enput"); Teacher's Signature _

Output: 1. Rectangle 2. Trangle 3. Cucle Entu your choice: 2. Enter base and height: Area of triangle = 6.0