Develop a java program to death an aborrad class named shape that contain two integer and an empty method named print Areal). Provide three clauses named Rectangle Triangles circle such that each one of the class contain only the shape. Each one of the class contain only the method printarea () that prints he also q and wind code given shape 1) Add class anput Scannor

1 Add class shape extend 8 npt lames 100000 god the price rectangle extend shape triangle of a someting wit bog cirde "

Add mainclass involving main mathet with objects and calling input maked and printarea whole

Lab program - 4070: 30mg Mamber a frequent face

im port java atil. Scanner;

class Input scanner a and not some works Scanner s; Input Scanner () {

s=new Scanner (System in);

. 000

abstract class shape extends Input Scanners double b;

901 : 33000 abstract void get Input (); abstract vold displayAna(); nagare man: non sortua

1000 BON

```
class Rectangle extends Shape &
           void getInput() {
                 InputScanner is = new InputScanner();
 System.out. prendlo C"Entel the length.
                          and breadth of the
  tu Circle is "+ (3 14 + 000)
                          suctangle: ")
                  a = is.s.nextDouble();
                  b = is.s. next Double();
                  public day AbstractMainest
                   System. Out. println (4 The area
void display Area Of
            of the nectangle is: "+
 Rederict)
               ((do. D) rect det gubrite);
              3 LorApples tur
 class Triangle extends shape &
        void get Input () {
           InputScanner (s = new InputScanner();
           system.out.println ("Enter the height and
  pare of the goetangle!
            a = is. s. nex Double ();
          b=is.s.nextDouble();
void display ArraCYE
              System. out-println ("The area of the
          treange is "+ (a* 60 0.5));
 class Cercle extends shape &
       void get Input () {
            Input Scanner is = new Input Scanner();
           System. out println ("Inter the reading of
                 the circle: ");
```

```
a = is s. next Double (1); and all
                    religion blow
       void displayArea() {

System.out.print(n CPE "The area

g the Circle is: "+ (3.14 " a * u),
               (19 modtxxx, 2, 2) = D
       3 (124200 +x200.2.2) = d
       public dans AbstractMain@{
      public statle vold main (string algse);
      Rectangle rect = new Rectangle();
           rect get Input ();
                     rect.displayArea();
                    Triangle triangle = new Triangle();
                    triangle. getInput();
     (manusetyne triangle dieplay Areal);
(interest at protection of the circle circle = new Circle ();
                circle get Input();
                  circle display Area();
                   System.out.printin ("Name: Sharkidhar B M");
 Syrtem out moutin (+ The area of the
    ((70 drs) System.out. println(" USN! 18m220527")
 Output:
Enter the length and breadth of the surtangle
                     void get Input () {
Input Scanner is a new Imputscanner (9)
Stutions out printing "I the the mutant
he alea of the rectangle is: 50
```

Enter the base and height of the triangle: 10 The area of the triangle is 25.0 Enter the radius of the Circle: The area of the Circle is 314.0. Name: Shashadhar BM USN: 18M22CS257. }{ 2/1/2023

as