By Develop a Java class program to create our abstract class named Shape that whitains two integers and empty method named printfreal). Provide three classes named Rectargle, Frangle and circle such that each one of the class extends the class Shape. Each one of classes contain only method printereals that prints area of given shape import java idil sanner; abstract class shape {
int dim!;
int dim2; abstract vold preutfreal); class feetangle extends Shape ? Rectaugle (int length, but breadth) {
this .dim2 = breadth; world printfreasts

int area = dim1+dim2; of leutaugle System-out. println("Area i. 1+ Area);

class Friangle extends Shape ? Tréangle lint base, int height) [

```
this dim 1 - base;
this dim 2: height;
   void prentarea () ?
              double area = 0.5 * dim 1 *dem2',
of Friangle
System out. println["Area; "1 + area);
 class cercle extends shape {
    Co cle lint radius) {
        this dim! = radlus;
    }
    void printAreal) {
              double area = Moth PI+
3-14/159 + dim/ + dim/;
           System. out. privoln["Area of circle: "facea];
public class Nan ?
     Public static void main (String args[]) }
Scanner scanner = new Scannar (System. in);
System. out-printl" Enter length & breadth. og foctangle: ");
           int l= scanner, next Intl);
           System
int b = scanner. next Intl);
             Reitaigle vectorigle = nous Redaigle (length, breath);
Vertaigle - printfreal);
```

System out print "touter base & height of Triangle:");
int base = scanner . nox t Intl;
int height = scanner . next Intl);
Triangle triangle = now Triangle (base, height);
triangle print print ();

System-out.print("Enter radius of Circle: "); int vad = Scanner. hoxtInt(); Circle circle = new Circle (radius); Circle.print(rea();

Output:

Enter breadth of Roctangle: 4

Area of Rectangle: 20

Enter base of the Triangle: 6
Enter height of Triangle: 3
Avea of Priangle: 9.0

Enter rading of circle: 7
Area of circle: 153.9380400