Lab - 9

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Batch - 2

To create abstract class shape with two integer members and create three class namely circle, rectargle and triangle to demonstrate to function overriding

abstract class shape [] {

int dim];

int dim 2;

shape (int a, intb) {

dim1=a;

dim2=b;

class Rectangle extends shape?

Rectangle (inta, int b)?

Super (a, b);

Void area?

double area dim 1 * dim 2;

System. Out. println ("Area of Rectargle is "+ area);

j

class Triangle extends shape {
Triangle (int a, intb) {
Super (a,b);
}
roid area () {

double area = dim / dim 2/2;

System. out. println ("Area of Triangle is "+ area);

```
circle (int a, intb) {
  super (a, b);
  void areal) {
   double area = 3014 x dim 1 * dim 1;
   Systemo outoprintln ("Area of circle is "+ area);
class shopes {
 public static void main (string args[]) {
  Rectargle r = new Rectargle (7,3);
   Triangle t = new Triangle (6,8);
   Circle ( = new Circle (5,5);
   Shape s;
   S=r!
    socreal);
    S = t;
    So area ();
    S= c'
    Soarea();
 Output
 Area of rectangle is 21
 Area of triangle is 24
 Area of
           circle is 78.5
```

class Circle extends shape &