



# KIET Group of Institutions, Ghaziabad

## Department of Computer Applications

(An ISO – 9001: 2015 Certified & 'A' Grade accredited Institution by NAAC)

### Object Oriented Programming Lab

KCA 202 : Session 2020-21

## **LAB ASSIGNMENT - 6**

```
class Shape1 {
    void draw()
    {
        System.out.println("draw shape");
    }
    void erase ()
    {
        System.out.println("erase shape");
    }
}
class Circle1 extends Shape1
{
    void draw()
    {
        System.out.println("draw circle");
    }
    void erase()
    {
        System.out.println("erase circle");
    }
}
class Triangle extends Shape1 {
    void draw()
    {
        System.out.println("draw Triangle");
    }
    void erase()
    {
        System.out.println("erase Triangle");
    }
}
class Square1 extends Shape1
{
    void draw()
```



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```
{
    System.out.println("draw square");
}
void erase()
{
    System.out.println("erase square");
}
}
public class Polymorphism {
public static void main(String []args)
{
    Shape1 s = new Shape1();
    s.draw();
    s.erase();
    Circle1 c = new Circle1() ;
    c.draw();
    c.erase();
    Triangle t=new Triangle();
    t.draw();
    t.erase();
    Square1 sq = new Square1();
    sq.draw();
    sq.erase();
    Shape1 s1=new Circle1(); //upcasting
    s1.draw();
    s1.erase();
}
}
```