

```

class Main {
    public static void main(String[] args) {
        Point p1 = new Point();
        p1.x=10;
        p1.y=20;
        p1.z=30;

        System.out.println(p1.calDistanceOrigin());
        Point p2=new Point();
        p2.setData(5,15,25);

        System.out.println(p2.calDistanceOrigin());
        p2.translate(5, 5, 5);
        System.out.println(p2.x+" "+p2.y+" "+p2.z);
    }
}

```

```

class Point{
    double x,y,z;
    Point(){
        x=y=z=0;
        System.out.println("In default constructor");
    }
    Point(int ix, int iy, int iz){
        x=ix;
        y=iy;
        z=iz;
        System.out.println("In parameterized constructor");
    }
    void setData(int a, int b, int c){
        x=a;
        y=b;
        z=c;
    }
    double calDistanceOrigin(){
        return Math.sqrt(x*x + y*y + z*z);
    }
    void translate(int dx, int dy, int dz){

```

```
        x = x + dx;
        y = y + dy;
        z = z + dz;
    }
    void printData()
    {
        System.out.print("Point is:");
        System.out.println("(" + x + ", " + y + ", " + z + ")");
    }
}
```