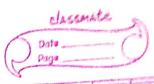Why super keyword is used in JAVA? Explain with example.

⇒ The 'super' keyword in Java is used to point or refer to parent class objects. It is a reference variable. This keyword came into the picture with the concept of inheritance.

Basically this form of super is used to initialize superclass variables when there is no constructor present in superclass.

On the other hand, it is generally used to access the specific variable of a superclass.

Example:

```
class Box {
    private double width;
    private double height;
    private double depth;

    Box (double w, double h, double d) {
        width = w;
        height = h;
        depth = d;
    }

    double volume() {
        return width * height * depth;
    }
}


class BoxWeight extends Box {
    double weight;
```

```
BoxWeight (double w, double h, double d, double m){
    super (w, h, d); // call superclass constructor
    weight l = m;
    }
}


class DemoSuper {
    public static void main (String args []){
        BoxWeight box1 = new BoxWeight (10, 20,
        15, 34.3);
        double vol;


        vol = box1. volume();
        System.out.println ("Volume of box1 is"
            + vol);
        System.out.println ("Weight of box1 is"
            + box1. weight);
    }
}


Result:
Volume of box1 is 3000.0
Height of box1 is 34.3
```