Java Concept 6

- Parent class reference variable can store the reference of Child Class object
    - Already know :- When overridden method called using this parent class reference variable then this method is from Child Class
    - When variable called using this parent class reference variable then this variable is from Parent Class

```
1   class phone
2   {
3      int ram = 0;
4      void call()
5      {...}
8   }
9
10  class smartPhone extends phone
11  {
12     int ram = 4;
13     void call()
14     {...}
18  }
19
20  class JavaConcept
21  {
22     public static void main(String args[])
23     {
24       phone obj =  new smartPhone();
25       //Child class method called
26       obj.call();
27       //Parent class variable called
28       obj.ram = 3;
29     }
30  }
```

```java
1    class Parent {
2    public String x = C.P+"Parrent Class Variable"+C.RE;
3        public void Print() {
4            System.out.println(C.P+"Parent Class method"+C.RE);
5        }
6    }
7
8    class Child extends Parent {
9    public String x = C.Y+"Child Class Variable"+C.RE;
10       public void Print() {
11           System.out.println(C.Y+"Child Class method"+C.RE);
12       }
13   }
14
15   class JavaConcept{
16   public static void main(String[] args) {
17       Parent obj = new Child();
18       //Print method of Child Class is Called
19       obj.Print();
20       //x variable of Parent Class is Called
21       System.out.println(obj.x);
22       }
23   }
```

run:
Child Class method
Parrent Class Variable