## Constructor in Inheritance Constructors are not inherited by subclass What happens when object of subclass created? What is the role of constructor?

```
Example java

| class A | class A | class B extends A | class Example | class
```

## □ Sub class's constructor invokes constructor of super class. □ Explicit call to the super class constructor from sub class's constructor can be made using super(). □ You can write a subclass constructor that invokes the constructor of the superclass, either implicitly or by using the

keyword super.

```
class A

(int a;
public A()
(System.out.println("A");)
)
class B extends A

(int b;
public B()
(System.out.println("B");
)
)
class Example

(public static void main(String[] args)

(B obj=new B();
)

(class Example B)

(dist b;
public static void main(String[] args)

(dist b;
public static void main(String[] args)
```

## Scenarios ☐ Implicit constructors in superclass and subclass ☐ Implicit constructor in subclass and explicit constructor in superclass ☐ Implicit constructor in superclass ☐ Implicit constructor in superclass and explicit constructor in subclass ☐ Explicit constructor in superclass and subclass

## **Parameterized Constructors**

■ Subclass constructor may take arguments for its use as well as for the constructor of superclass.

