

class Parent

```
{
1 int x= 10; 7
2 {
    methodOne(); 8
    System.out.println("Parent fist instance block...");
}
Parent() 11
{
    System.out.println("Parent class constructor...");
}
public static void main(String... args)
{
    Parent p = new Parent();
    System.out.println("Parent class main method...");
}
public void methodOne()
{
    System.out.println(y); 9
}
}
3 int y =20; 10
```

x = 0
y = 0

RIWO

x=10
y=20

R&W

class Child extends Parent

```
{
4 int i= 100; 12
5 {
    methodTwo(); 13
    System.out.println("Child fist instance block...");
}
Child() 16
{
    System.out.println("Child class constructor...");
}
public static void main(String... args)
{
    Child c = new Child();
    System.out.println("Child class main method..."); 17
}
public void methodTwo()
{
    System.out.println(j); 14
}
}
6 int j =200; 15
```

i = 0
j = 0

RIWO

i =100
j =200

R&W

Child.class

Parent.class

Output

```
0
Parent First Instance Block
Parent class constructor
0
Child First Instance Block
Child class constructor
child class main method
```

D:\OctBatchMicroservices>java Child

```
0
Parent fist instance block...
Parent class constructor...
0
Child fist instance block...
Child class constructor...
Child class main method...
```

D:\OctBatchMicroservices>java Parent

```
0
Parent fist instance block...
Parent class constructor...
Parent class main method...
```

0:\OctBatchMicroservices>java Test

class Base

```
{
1 static int i = 10; 11
2 static{
    methodOne(); 12
    System.out.println("base static block");
}
3 public static void main(String... args)
{
    methodOne();
    System.out.println("Base main");
}
4 static void methodOne()
{
    System.out.println(j); 13
}
5 static int j = 20; 14
}

```

i = 0
j = 0

RIWO

i =10
j =20

R&W

Base.class

main()

class Derived extends Base

```
{
6 static int x = 100; 15
7 static{
    methodTwo(); 16
    System.out.println("Derived static block");
}
8 public static void main(String... args)
{
    methodTwo(); 19
    System.out.println("Derived main"); 20
}
9 static void methodTwo()
{
    System.out.println(y); 17
}
10 static int y = 200; 18
}

```

x = 0
y = 0

RIWO

x=100
y=200

R&W

Derived.class

main()

Output

```
0
Base static block
0
Derived static block
200
Derived main
```

D:\OctBatchMicroservices>java Derived

```
0
base static block
0
Derived static block
200
Derived main
```

D:\OctBatchMicroservices>java Base

```
0
base static block
20
Base main
```

