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## Ans 1 -

```
package com.nitin.lab3;

import java.util.Scanner;

public class Inheritance {
    public static void main(String[] args) {
        Scanner in = new Scanner(System.in);
        Child child = new Child();

        System.out.println("Enter your details: ");
        child.id = in.nextInt();
        child.name = in.next();
        child.salary = in.nextFloat();
        child.city = in.next();

        System.out.println("Employee's id : " + child.id);
        System.out.println("Employee's name : " + child.name);
        System.out.println("Employee's salary : " + child.salary);
        System.out.println("Employee's city : " + child.city);
    }

    static class Parent {
        int id;
        String name;
    }

    static class Child extends Parent {
        float salary;
        String city;
    }
}
```

## Output -

```
Enter your details:
101
Nitin
40000.0
Solan
Employee's id : 101
Employee's name : Nitin
Employee's salary : 40000.0
Employee's city : Solan

Process finished with exit code 0
```

## Ans 2 -

```
package com.nitin.lab3;

public class Main {
    public static void main(String[] args) {
        System.out.println(get(10,20));
        System.out.println(get(10,20, 30));
    }

    // method overloading
    public static int get(int a, int b) {
        return a + b;
    }

    public static int get(int a, int b, int c) {
        return a + b + c;
    }
}
```

## Output -

```
"C:\Program Files\Java\jdk-17.0.2\bin\java.exe" "-javaagent:C:\Program
Files\JetBrains\IntelliJ IDEA Community Edition
2021.3.2\lib\idea_rt.jar=62402:C:\Program Files\JetBrains\IntelliJ IDEA
Community Edition 2021.3.2\bin" -Dfile.encoding=UTF-8 -classpath "D:\My
Learning\my learning\College\LPU-4th-sem\Java\out\production\Java"
com.nitin.lab3.Main
    30
    60

Process finished with exit code 0
```