

OOPS BASICS TAKS

1. **package** com.training;

class Vehicle

```
{  
    public void display()  
    {  
        System.out.println("This is a vehicle");  
    }  
}
```

class Truck **extends** Vehicle

```
{  
    public void loadCapacity()  
    {  
        System.out.println("Trucks can carry heavy loads");  
    }  
}
```

class Bus **extends** Vehicle

```
{  
    public void seatCapacity()  
    {  
        System.out.println("Bus has a larger seating capacity");  
    }  
}
```

class Car **extends** Vehicle

```
{  
    public void type()  
    {
```

```

        System.out.println("This car is sedan type");
    }
}

```

```

public class Road {

    public static void main(String[] args) {

        Truck tr = new Truck();

        Bus bs = new Bus();

        Car cr = new Car();

        tr.display();

        tr.loadCapacity();

        bs.display();

        bs.seatCapacity();

        cr.display();

        cr.type();

    }

}

```

Output

```

This is a vehicle
Trucks can carry heavy loads
This is a vehicle
Bus has a larger seating capacity
This is a vehicle
This car is sedan type

```

2. class Parent

```

{

    public void behaviour()

```

```

        {
            System.out.println("Has good behaviour");
        }
    }

public class Child extends Parent {

    public static void main(String[] args) {
        Child ch = new Child();
        ch.behaviour();

    }

}

```

Output

Has good behaviour

3. **package** com.training;

```

class Parent1
{
    public void behaviour()
    {
        System.out.println("Bad behaviour");
    }
}

class Child1 extends Parent1
{

```

```

        public void height()
        {
            System.out.println("Larger height");
        }
    }

```

```

public class Grandchild{

    public static void main(String[] args) {

        Child1 ch = new Child1();

        ch.behaviour();

        ch.height();

    }

}

```

Output

Bad behaviour

Larger height

```

4. class Member {

    String name, address, phoneNumber;

    int age;

    double salary;

    public void printSalary() {

        System.out.println("Salary: " + salary);

    }

}

```

```
class Employee extends Member {  
    String specialization;  
}
```

```
class Manager extends Member {  
    String department;  
}
```

```
public class Main {  
    public static void main(String[] args) {  
        Employee emp = new Employee();  
        emp.name = "John";  
        emp.salary = 50000;  
  
        Manager mgr = new Manager();  
        mgr.name = "Alice";  
        mgr.salary = 80000;  
  
        System.out.println(emp.name + "'s Salary: ");  
        emp.printSalary();  
  
        System.out.println(mgr.name + "'s Salary: ");  
        mgr.printSalary();  
    }  
}
```

Output

John's Salary:

Salary: 50000.0

Alice's Salary:

Salary: 80000.0