BHARATH KUMAR G R|Batch-A4|Assignment-12

Bike.java (com.org)

```java
package com.org;

//Accessing in same class and same Package

public class Bike {

    int num=22;

    protected Bike() {
        System.out.println("bike is strated");
    }

    protected void walk() {
        System.out.println("Person is walking");
    }

    public static void main(String[] args) {

        System.out.println("start");

        Bike b = new Bike();
        System.out.println(b.num);

        b.walk();

        System.out.println("end");
    }
}
```

Console:
```
<terminated> Bike (2) [Java Application] C:\Progra
start
bike is strated
22
Person is walking
end
```

Employee.java (com.vs44u)

```java
package com.vs44u;

//Accessing in Another class and Another package.

public class Employee {

    public void work() {

        System.out.println("Employee is working!!");
    }
}
```

TestEmplyoee.java (com.org)

```java
package com.org;

import com.vs44u.Employee;

//import com.vs44u.Employee;

public class TestEmplyoee {

    public static void main(String[] args) {

        Employee e= new Employee();

        e.work();
    }
}
```

Console:
```
<terminated> TestEmplyoee [Java Application] (
Employee is working!!
```

Student.java (com.vs44u)

```java
package com.vs44u;
/* Accessing public in another class but same Package*/
public class Student {

    public int marks=35;

    public Student() {
        System.out.println("Last is not the Least");
    }

    public void study() {
        System.out.println("Studing before one day exam");
    }
}
```

Test.java (com.vs44u)

```java
package com.vs44u;

public class Test {

    public static void main(String[] args

        System.out.println("Start");

        Student s= new Student();

        System.out.println(s.marks);

        s.study();

        System.out.println("End");

    }
}
```

Console:
```
<terminated> Test (4) [Java Application] C:\Program Files\Ja
Start
Last is not the Least
35
Studing before one day exam
End
```

Screenshot 1

Student.java

```java
package com.org;

//Accessing in Another class and same Package.

public class Student {

    protected int age = 18;

    protected Student() {

        System.out.println("Student life is a go

    }

    protected void display() {
        System.out.println("I love Reading Books
    }
}
```

Teacher.java

```java
package com.org;

public class Teacher {

    public static void main(String[] args) {

        System.out.println("start");

        Student s = new Student();

        System.out.println(s.age);
        s.display();

        System.out.println("End");

    }
}
```

Console (terminated> Teacher [Java Application] C:\Program Files\Java\jdk-21)

```
start
Student life is a goldan life.!!
18
I love Reading Books!...
End
```

Screenshot 2

Student.java

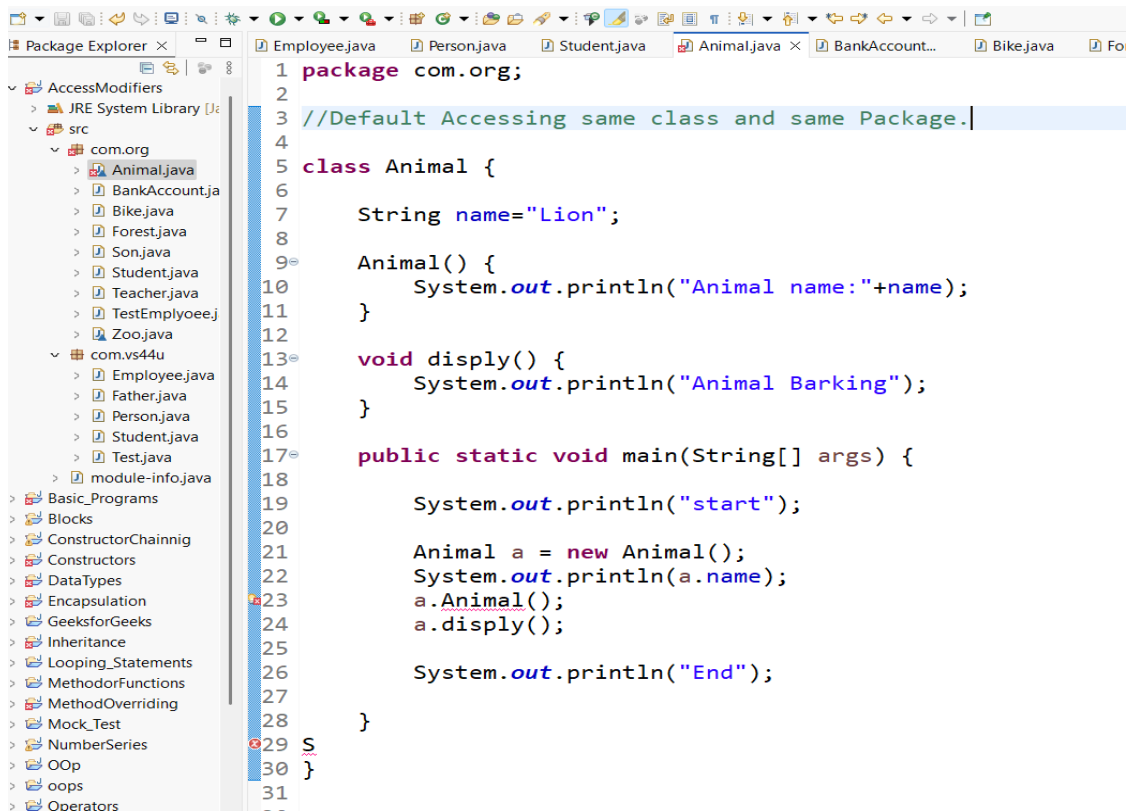```java
package com.vs44u;
/* Accessing public in another class but same Package*/
public class Student {

    public int marks=35;

    public Student() {
        System.out.println("Last is not the Least");
    }

    public void study() {
        System.out.println("Studing before one day exam");
    }
}
```

**Test.java**

```java
package com.vs44u;

public class Test {

    public static void main(String[] args

        System.out.println("Start");

        Student s= new Student();

        System.out.println(s.marks);

        s.study();

        System.out.println("End");

    }
}
```
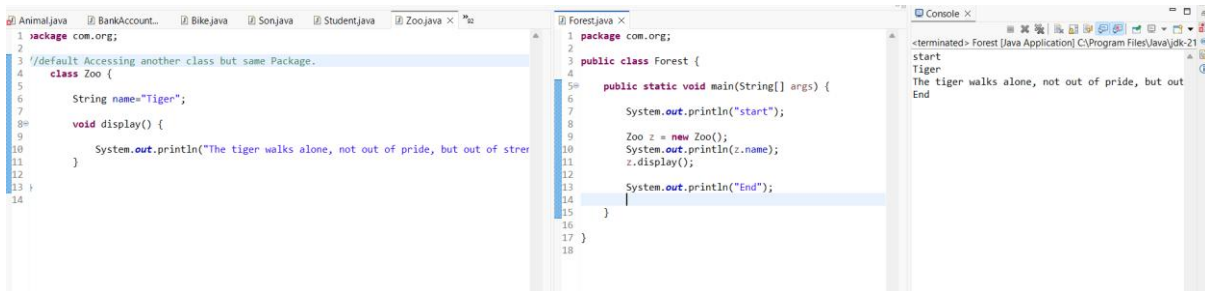
Console (terminated> Test (4) [Java Application] C:\Program Files\Ja)

```
Start
Last is not the Least
35
Studing before one day exam
End
```

Screenshot 3

Package Explorer:
- AccessModifiers
  - JRE System Library [Ja
  - src
    - com.org
      - Animal.java
      - BankAccount.ja
      - Bike.java
      - Forest.java
      - Son.java
      - Student.java
      - Teacher.java
      - TestEmployoee.j
      - Zoo.java
    - com.vs44u
      - Employee.java
      - Father.java
      - Person.java
      - Student.java
      - Test.java
    - module-info.java
- Basic_Programs
- Blocks
- ConstructorChainnig
- Constructors
- DataTypes
- Encapsulation
- GeeksforGeeks
- Inheritance
- Looping_Statements
- MethodorFunctions
- MethodOverriding
- Mock_Test
- NumberSeries
- OOp
- oops
- Operators

BankAccount.java

```java
package com.org;
//We Can Accessing Private same class and same Package.

public class BankAccount {

    private double balance;

    private BankAccount(double initialBalance) {
        balance = initialBalance;
    }

    private double getBalance() {
        return balance;
    }

    public static void main(String[] args) {

        System.out.println("start");

        BankAccount b = new BankAccount(500);

        System.out.println(b.balance);

        b.getBalance();

        System.out.println("end");

    }
}
```

Console (terminated> BankAccount [Java Appl)

```
start
500.0
end
```

Screenshot 1: Animal.java

```java
package com.org;

//Default Accessing same class and same Package.

class Animal {

    String name="Lion";

    Animal() {
        System.out.println("Animal name:"+name);
    }

    void disply() {
        System.out.println("Animal Barking");
    }

    public static void main(String[] args) {

        System.out.println("start");

        Animal a = new Animal();
        System.out.println(a.name);
        a.Animal();
        a.disply();

        System.out.println("End");

    }
S
}
```

Screenshot 2: Zoo.java
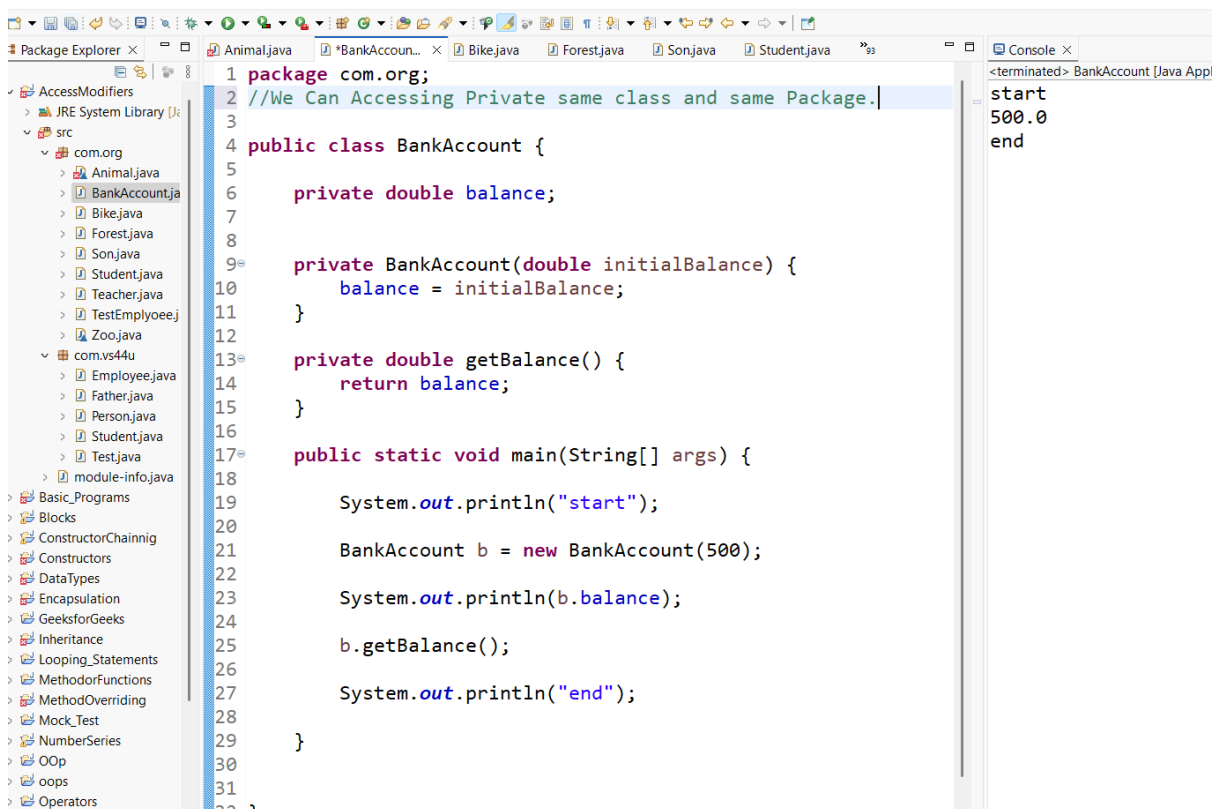
```java
package com.org;

//default Accessing another class but same Package.
    class Zoo {

        String name="Tiger";

        void display() {

            System.out.println("The tiger walks alone, not out of pride, but out of stren
        }

}
```

Forest.java

```java
package com.org;

public class Forest {

    public static void main(String[] args) {

        System.out.println("start");

        Zoo z = new Zoo();
        System.out.println(z.name);
        z.display();

        System.out.println("End");

    }
}
```

Console

```
<terminated> Forest [Java Application] C:\Program Files\Java\jdk-21
start
Tiger
The tiger walks alone, not out of pride, but out
End
```

Screenshot 3: BankAccount.java

```java
package com.org;
//We Can Accessing Private same class and same Package.

public class BankAccount {

    private double balance;

    private BankAccount(double initialBalance) {
        balance = initialBalance;
    }

    private double getBalance() {
        return balance;
    }

    public static void main(String[] args) {

        System.out.println("start");

        BankAccount b = new BankAccount(500);

        System.out.println(b.balance);

        b.getBalance();

        System.out.println("end");

    }
}
```

Console

```
<terminated> BankAccount [Java Appl
start
500.0
end
```