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

```
| Package Explorer × | D | Employeejava | Studentjava | Animaljava | BankAccount... | Bikejava × "94 | BankAccount... | Bikejava × "94 | BankAccount... | D Bikejava × "94 | BankAccount... | Bikejava × "94 | Bik
                                                                                                                                                                                                                                                                       □ □ □ Console ×
                                                                                                                                                                                                                                                                                    <terminated > Bike (2) [Java Application] C:\Progra

→ 

AccessModifiers

                                                                                                                                                                                                                                                                                     start
       > 🛋 JRE System Library [Ja
                                                                                                                                                                                                                                                                                    bike is strated
                                                                 3 //Accessing in same class and same Package
       ∨ 🥮 src
                                                                                                                                                                                                                                                                                     22
           Person is walking
                                                                 5 public class Bike {
                 > 

BankAccount.ja
                 > 🗓 Bike.java
                                                                                     int num=22;
                     Forest.java
                 >  Son.iava
                                                                 98
                                                                                     protected Bike() {

    Student.java
    Teacher.java

                                                                                                   System.out.println("bike is strated");
                                                             10
                                                                                     }
                 > I TestEmplyoee.j
                                                              11
                    Zoo.java
                                                              12
           > # com.vs44u
                                                              13⊝
                                                                                    protected void walk() {
 > 🖸 module-info.java
> 🔂 Basic_Programs
                                                                                                   System.out.println("Person is walking");
                                                              14
                                                              15
 > 😂 Blocks
                                                              16
     ConstructorChainnig
                                                              17⊜
                                                                                     public static void main(String[] args) {
 > 🔂 Constructors
     18
                                                              19
                                                                                                   System.out.println("start");
     20

    Inheritance
    Looping_Statements

                                                              21
                                                                                                   Bike b = new Bike();
                                                              22
                                                                                                   System.out.println(b.num);
     MethodorFunctions
     23
     Mock_Test
                                                              24
                                                                                                   b.walk();

➢ NumberSeries

                                                              25
     ₩ ООр
                                                                                                   System.out.println("end");
                                                              26
     }

    ○ Operators

                                                              28 }

➢ PassByValue

 > 😂 Scanner
                                                             29
 > 📂 TernaryOperator
```

```
- 8
                                                                                                         \blacksquare Console 	imes
🛿 Solution.java 🔻 Father.java 🖟 College.java 🖟 NaturalNumbe... 🖟 Person.java 🖟 Student.java 🗡 🥞
                                                                                                               1 package com.vs44u;
                                                              1 package com.vs44u;
 2 /* Accessing public in another class but same Package*/
                                                                                                         Start
 3 public class Student {
                                                              3 public class Test {
                                                                                                         Last is not the Least
                                                                                                         35
       public int marks=35;
                                                                    public static void main(String[] args
                                                                                                         Studing before one day exam
 6
                                                              6
       public Student() {
 8
          System.out.println("Last is not the Least");
                                                              8
                                                                       System.out.println("Start");
10
                                                              10
                                                                       Student s= new Student();
       public void study() {
          System.out.println("Studing before one day exam");
                                                                       System.out.println(s.marks);
13
                                                              13
                                                              14
                                                                       s.study();
15 }
16
                                                              16
                                                                       System.out.println("End");
                                                              17
                                                             18
                                                              19
                                                             20 }
```

```
ted > Teacher [Java Application] C:\Program Files\Java\jdk-21
  1 package com.org;
                                                          1 package com.org;
                                                                                                                Student life is a goldan life.!!
 3 //Accessing in Another class and same Package.
                                                                                                                18
                                                           public class Teacher {
                                                                                                                I love Reading Books!...
 5 public class Student {
                                                               public static void main(String[] args) {
7 protected int age = 18;
                                                                   System.out.println("start");
      protected Student() {
                                                                   Student s = new Student();
10
           {\tt System.} \textit{out}. {\tt println("Student life is a go}
                                                                   System.out.println(s.age);
13
      }
                                                                   s.display();
14
       protected void display() {
    System.out.println("I love Reading Books")
 150
                                                                   System.out.println("End");
       }
 18 }
                                                       19
20 }
                                                        21
```

```
□ Console ×
1 package com.vs44u;
2 /* Accessing public in another class but same Package*/
3 public class Student {
                                                                 1 package com.vs44u;
                                                                                                             terminated > Test (4) [Java Application] C:\Program Files\J.
                                                                                                            Start
                                                                 3 public class Test {
                                                                                                            Last is not the Least 35
       public int marks=35;
                                                                      public static void main(String[] args
                                                                                                            Studing before one day exam
                                                                                                            End
      public Student() {
          System.out.println("Last is not the Least");
                                                                          System.out.println("Start");
                                                                          Student s= new Student();
      public void study() {
   System.out.println("Studing before one day exam");
12
13
14
15 }
                                                                          System.out.println(s.marks);
                                                                13
14
15
                                                                          s.study();
                                                               16
17
18 }
                                                                          System.out.println("End");
                                                               20 }
```

```
      ♣ Package Explorer ×
      ♣ Animal.java
      ⚠ *BankAccoun.... ×
      ⚠ Bike.java
      ⚠ Forest.java
      ⚠ Son.java
      ⚠ Student.java

                                                                                                □ □ □ Console ×
           E & 8
                                                                                                    <terminated > BankAccount [Java Appl
                      1 package com.org;
2 //We Can Accessing Private same class and same Package.
                                                                                                    start
 > 🛋 JRE System Library [Ja
                                                                                                    500.0
                      3
                                                                                                    end
                     4 public class BankAccount {
   v 🏭 com.org
     > 🔬 Animal.java
     > D BankAccount.ja
                             private double balance;
     > 🗓 Bike.java
     >  Forest.iava
                      8
     > 🗓 Son.java
                      90
                             private BankAccount(double initialBalance) {
     > 🗓 Student.java
                     10
                                  balance = initialBalance;
     > 🗓 Teacher.java
                     11
     > 1 TestEmplyoee.i
     > 🗓 Zoo.java
                     12
   ∨ # com.vs44u
                             private double getBalance() {
                     13⊜
     > II Employee.iava
                     14
                                  return balance;
     15
     > 🗓 Person.java
                     16
     >    Student.iava
                     17⊜
                             public static void main(String[] args) {
     > 🗓 Test.iava
   > 🗓 module-info.java
                     18
> 🔀 Basic_Programs
                                  System.out.println("start");
                     19
> 😂 Blocks
                     20
> 📂 ConstructorChainnig
                     21
                                  BankAccount b = new BankAccount(500);
 22
> # DataTypes
> 🔂 Encapsulation
                     23
                                  System.out.println(b.balance);

    GeeksforGeeks

                     24
 25
                                  b.getBalance();
 I Looping Statements
                     26
 27
                                  System.out.println("end");
 28
Mock Test
> 👺 NumberSeries
                    29
                            }
> 📂 OOp
                    30
> 📂 oops
                     31
> 🐸 Operators
                    32 l
```

```
🖺 Package Explorer × 🖳 🗖 🖟 Employee.java 🖟 Person.java 🖟 Student.java 🖟 Animal.java × 🖟 BankAccount... 🖟 Bike.java 🕩 Fo
          □ 🕏 | 🖆 🖇
                     1 package com.org;

∨ 

⇔ AccessModifiers

 > 🛋 JRE System Library [Jɛ
                    3 //Default Accessing same class and same Package.

→ 

## src

   v 🏭 com.org
                    5 class Animal {
     > 🔬 Animal.java
     > 🗓 BankAccount.ja
      Bike.java
                           String name="Lion";
     >   Forest.iava
                    8
     > 

Son.java
                    9⊝
                           Animal() {
     > 🗓 Student.java
                               System.out.println("Animal name:"+name);
                    10
      Teacher.java
                   11
      TestEmplyoee.j
     Zoo.java
                   12
   ∨ # com.vs44u
                   13⊜
                           void disply() {
     > 🗓 Employee.java
                   14
                               System.out.println("Animal Barking");
     > 

Father.java
                   15
     > 

Person.java
                   16
     > 🗵 Student.java
                           public static void main(String[] args) {
     > 🗓 Test.java
                   17⊝
   > 🗓 module-info.java
                   18
> 🔂 Basic_Programs
                   19
                               System.out.println("start");
 20
 21
                               Animal a = new Animal();
 ₩ Constructors
                   22
                               System.out.println(a.name);
> 🔂 DataTypes
 23
                               a.Animal();
 24
                               a.disply();
> # Inheritance
                   25
 System.out.println("End");
                   26
 27
 28
                           }
 Mock Test
> 📂 NumberSeries
                   29 S
 ⊘ ООр
                   30 }
 31
> 🐸 Operators
```

```
      ♣ Package Explorer ×
      □
      ♠ Animaljava
      ♠ *BankAccoun... ×
      ♠ Bike.java
      ♠ Forestjava
      ♠ Son.java
      ♠ Studentjava

                                                                                                         □ □ □ Console ×
           E $ 8
                        1 package com.org;
                                                                                                              <terminated > BankAccount [Java Appl
✓ ₩ AccessModifiers
                       2 //We Can Accessing Private same class and same Package.
                                                                                                              start
  > 🛋 JRE System Library [Ja
                                                                                                              500.0

→ 

B

src

                                                                                                              end
                        4 public class BankAccount {
   v 🏭 com.org
                        5
     > D BankAccount.ja
                        6
                               private double balance;
     > D Bike.iava
     >    Forest.java
                        8
     > 🗓 Son.java
                               private BankAccount(double initialBalance) {
                        9⊝
     > 

Student.java
                       10
                                     balance = initialBalance:
     > I Teacher.java
       ☑ TestEmplyoee.j
                      11
       Zoo.java
                       12
    de com.vs44u
                       13∈
                               private double getBalance() {
     > 🗓 Employee.java
                                     return balance;
                       14
       ☑ Father.java
                       15
     > Person.java
                      16
     >   Student.java
                       17⊜
                               public static void main(String[] args) {
       Test.java
    > I module-info.iava
                       18
> 🔀 Basic_Programs
                       19
                                     System.out.println("start");
> 👺 Blocks
                      20
> 📂 ConstructorChainnig
                       21
                                     BankAccount b = new BankAccount(500):
Constructors
                      22
> 🔂 DataTypes
Encapsulation
                      23
                                     System.out.println(b.balance);

⇒ GeeksforGeeks

                       24
> # Inheritance
                      25
                                     b.getBalance();

> 
Looping_Statements

                       26
> 🐸 MethodorFunctions
                       27
                                     System.out.println("end");
MethodOverriding
> 🐸 Mock_Test
                       28
> 📂 NumberSeries
                       29
                                }
> 📂 OOn
                       30
> 🐸 oops
                       31
> 🐸 Operators
```