JBK1005-Class In Java

Create a Class in Java

```
public class Class_Example_1 {
	int a;
	 float b;
	 String str;
	 public void operation1()
	 {
		a = 10;
		b = (float) 15.26;
		str = "Java";
	 }
	public void operation2()
	 {
		a = 20;
		b = (float) 27;
		str = "SELENIUM";
	 }
	 public void display()
	 {
System.out.println("The Integer Value is : "+a);
	 System.out.println("The Float Value is : "+b);
	 System.out.println("The String Value is : "+str);
	 }
}
```

```
class mainClass {
        public static void main (String args[]){
                Class_Example_1 obj = new
Class_Example_1();
             obj.operation1();
              obj.display();
             obj.operation2();
              obj.display();
        }
}
```

Create More Classes in Java

```
public class AA {
        void display1() {
        System.out.println("This is Class - 1");
        }
}
class BB {
        void display2() {
        System.out.println("This is Class - 2");
        }
}
class CC {
        void display3() {
        System.out.println("This is Class - 3");
        }
}
class MainClass {
```

```
        public static void main(String[] args) {
                AA obj1 = new AA();
                BB obj2 = new BB();
                CC obj3 = new CC();

                obj1.display1();
                obj2.display2();
                obj3.display3();
        }
}
```

Example of package by import fully qualified name

```
package com.pack;
public class A{
 public void msg(){System.out.println("Hell
o");}
}
package com.mypack;
class B{
 public static void main(String args[]){
  com.pack.A obj = new com.pack.A();
//using fully qualified name
  obj.msg();
 }
}
```

Example of package by import package.classname

```
package com.pack;
public class A{
  public void msg(){System.out.println("Hell
o");}
}
package com.mypack;
import com.pack.A;

class B{
  public static void main(String args[]){
   A obj = new A();
   obj.msg();
  } }
```

public Access Specifier Example

1)

```
package com.abc;
 public class AccessDemo  {
     public void test()  {
          System.out.println("Example of public
access specifier");
     }  }
package com.xyz;
 import com.abc.AccessDemo;
 public class AccessExample  {
     public static void main(String[] args)   {
         AccessDemo ad = new AccessDemo();
```

```
        ad.test();
    } }
2)
package com.pack;
public class A{
public void msg(){System.out.println("Hello
");}
}
package com.mypack;
import com.pack.*;

class B{
public static void main(String args[]){
  A obj = new A();
 obj.msg();
 } }
```

private Access Specifier Example

```
1)class AccessDemo  {
     private int x = 56;

    public void showDemo()   {
  System.out.println("The Variable value is "
+ x);
    }

    private void testDemo()   {
        System.out.println("It cannot be
accessed in another class");
```

```
    } }

public class AccessExample   {
    public static void main(String[] args)   {
        AccessDemo ad = new AccessDemo();
        ad.testDemo(); // Private method
cannot be used
        ad.x = 5; // Private variable cannot be
used

        ad.showDemo(); // run properly
    }
}
```

```
2)
class A{
private int data=40;
private void msg(){System.out.println("Hell
o java");}
}

public class Simple{
public static void main(String args[]){
 A obj=new A();
 System.out.println(obj.data);//Compile Ti
me Error
  obj.msg();//Compile Time Error
  }
}
```

default Access Specifier Example

1)

```
package com.abc;

class AccessDemo
{
    default int a = 4;
}
package com.xyz;
import abc.AccessDemo;


class AccessExample
{
    public static void main(String[] args)
    {
        AccessDemo ad = new AccessDemo();
        ad.a = 67; //It is not possible.
    }
}
```

2)

```
package com.pack;
class A{
 void msg(){System.out.println("Hello");}
}
 package com.mypack;
import com.pack.*;
class B{
```

```
 public static void main(String args[]){
A obj = new A();//Compile Time Error
 obj.msg();//Compile Time Error
 }
}
```

example of encapsulation

```
public class Student{
private String name;

public String getName(){
return name;
}
public void setName(String name){
this.name=name
}
}
class Test{
public static void main(String[] args){
Student s=new Student();
s.setname("vijay");
System.out.println(s.getName());
}
}
```