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**Part-VII**  
**Package & Interface**

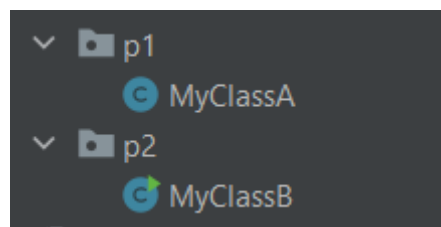
**Practical No: 33**

**AIM:** Write a java program that shows importing of classes from other user define packages.

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**Solution**

**Package Tree:-**



**MyClassA.java**

```
package p1; //user defined package

public class MyClassA
{
    public void ShowMessage()
    {
        System.out.println("Hello from Class A");
        System.out.println("Class A is from package 1");
    }
}
```



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## MyClassB.java

```
package p2; //user defined Package

import p1.MyClassA;

public class MyClassB extends MyClassA {
    public static void main(String[] args) {
        MyClassB b = new MyClassB();
        System.out.println("In Class B");
        b.ShowMessage();
    }
}
```

## Output

```
Run: MyClassB x
D:\softwares\Java\bin\java.exe "-javaagent:D:\softwares\Java\intellij\IntelliJ
In Class B
Hello from Class A
Class A is from package 1
Process finished with exit code 0

Run TODO Problems Terminal Build
Build completed successfully in 1 sec, 822 ms (moments ago)
```



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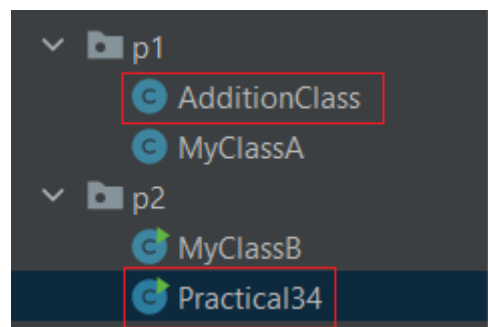


**Practical No: 34**

**AIM:** Write a program that demonstrates the use of packages & import statements. (Simple addition program)

**Solution**

**Package Tree:-**



**AdditionClass.java**

```
package p1;

public class AdditionClass {
    public int IWillAdd(int a, int b)
    {
        int sum = a + b;
        return sum;
    }
}
```

**Practical34.java**

```
package p2;

import p1.AdditionClass;

public class Practical34 extends AdditionClass{
    public static void main(String[] args) {

        Practical34 Object = new Practical34();
        System.out.println(Object.IWillAdd(12,15));
    }
}
```



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## Output

```
Run: Practical34 x
D:\softwares\Java\bin\java.exe "-javaagent:D:\softwares\Java\intelliJ\IntelliJ IDEA Community
27
Process finished with exit code 0
```

Run | TODO | Problems | Terminal | Build

Build completed successfully in 1 sec, 620 ms (6 minutes ago)



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**Practical No: 35**

**AIM:** WAP to show the try-catch block to catch the different types of exception.

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**Solution**

**Practical32.java**

```
package com.jayshil.javaapp;
```

**Output**

```
Run: Practical32 x
D:\softwares\Java\bin\java.exe "-javaagent:D:\softwares\Java\intelliJ\IntelliJ IDEA Community Edition 2020.3.2\lib\idea_rt.jar" com.jayshil.javaapp
Area of rectangle is :24.0
Area of circle is : 78.525
Process finished with exit code 0
Build completed successfully in 1 sec, 333 ms (a minute ago)
```



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**Practical No: 36**

**AIM:** WAP to generate user defined exception using “throw” and “throws” keyword.

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**Solution**

**Practical32.java**

```
package com.jayshil.javaapp;
```

**Output**

```
Run: Practical32 x
D:\softwares\Java\bin\java.exe "-javaagent:D:\softwares\Java\intelliJ\IntelliJ IDEA Community Edition 2020.3.2\
Area of rectangle is :24.0
Area of circle is : 78.525
Process finished with exit code 0
Build completed successfully in 1 sec, 333 ms (a minute ago)
```