



ACADGILD

SESSION 4: OOPs: INHERITANCE & POLYMORPHISM, PACKAGES

Assignment 2

SESSION 4: OOPS: INHERITANCE & POLYMORPHISM, PACKAGES

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1. Introduction

This assignment will test your knowledge on Access Specifiers, Inheritance and Method Overriding.

2. Objective

This assignment will help you to master the following concepts:

- Inheritance
- Method Overriding
- Access Specifiers

3. Prerequisites

Not applicable.

4. Associated Data Files

Not applicable.

5. Problem Statement

What is displayed when the following code is executed?

```
class Parent{
    private void method1(){
        System.out.println ("Parent's method1()");
    }
    public void method2() {
        System.out.println ("Parent's method2()");
        method1();
    }
}
class Child extends Parent {
    public void method1() {
        System.out.println ("Child's method1()");
    }
}
```

JAVA

```
public static void main(String args[]) {  
    Parent p = new Child();  
    p.method2();  
}
```

6. Expected Output

The outcome must be one of the following:

A. Compile-time error

B. Run-time error

C. Prints : Parent's method2()

Parent's method1()

D. Prints : Parent's method2()

Child's method1()

7. Approximate Time to Complete Task

20 mins