

ACCESS SPECIFIERS

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TECHNICAL QUESTIONS:

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- 1.What are access specifiers and why are they important?
- 2.Difference between public, private, protected, default?
- 3.What is default access modifier?
- 4.Can private members be accessed outside class? How?
- 5.How does protected work across packages?
- 6.What is encapsulation and relation with access specifiers?
- 7.Can we declare class as private?
- 8.What is difference between protected vs default?
- 9.Can methods be overridden with different access modifiers?
- 10.Best practices for using access modifiers?

TASKS

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Question:1

Create a class BankAccount with private variable balance.
Provide methods to deposit and withdraw.
Ensure balance cannot be accessed directly.

Question:2

Create two packages.
Define variables with different access specifiers in one package.
Try accessing them from another package.

Question:3

Create a class Student with private marks.
Provide method to calculate grade without exposing marks directly.