

Answer the following questions. These are typical questions asked during interviews.

1. Can you have static methods in an interface declaration? Explain.
2. Can you have private methods in a interface declaration? Explain.
3. Can you extend an interface? Why not?
4. You want to give a partial implementation of a class to which a developer has to add more functionalities before making objects. Also you want to make sure that the developer will not be able to modify any of the methods that you have written. How would you achieve this?
5. Java does not allow multiple inheritance. Find a language which does allow multiple inheritance and explain why Java opted not to have it.
6. When class B inherit from class A, does B inherit the A's constructor?
7. What is a constructor and can you have a class without an constructor? Explain.
8. If there are no command-line arguments provided to the program, will the String array provide to main method be null or empty?
9. What is a JIT compiler (*not covered in lectures. Search the web for answers*)
10. Can an abstract class implement an interface? Explain your answer.

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