Assignment - 8 (Object-Oriented Programming)

1. What Is Object-Oriented Programming?

2. Difference between Procedural programming and OOPs?

3. What are the fundamental principles/features of Object-Oriented Programming?

4. What is an object?

5. What is a class?

6. What is the difference between a class and an object?

7. Can you call the base class method without creating an instance?

8. What is inheritance?

9. What are the different types of inheritance?

10. What is the difference between multiple and multilevel inheritances?

11. What are the limitations of inheritance?

12. What are the superclass and subclass?

13. What is the super keyword?

14. What is encapsulation?

15. What is the name mangling and how does it work?

16. What is the difference between public and private access modifiers?

17. Is Python 100 percent object-oriented?

18. What is data abstraction?

19. How to achieve data abstraction?

20. What is an abstract class?

21. Can you create an object of an abstract class?

22. Differentiate between data abstraction and encapsulation

23. What is polymorphism?

24. What is the overloading method?

25. What are the limitations of OOPs?