Reading Assignment: Please answer three questions below:

- What are the advantages of Polymorphism?

Polymorphism enables code reusability, flexibility, and maintainability, allowing methods to operate on objects of different types without needing to rewrite code. It also promotes cleaner, more readable code by allowing the same method to handle different object types dynamically.

- How is Inheritance useful to achieve Polymorphism in Java?

Inheritance enables polymorphism by allowing subclasses to override methods from a superclass. This lets the program dynamically choose the correct method based on the object's actual type at runtime, promoting flexibility and extensibility.

- What are the differences between Polymorphism and Inheritance in Java?

Inheritance allows one class to inherit the properties and behaviors of another, establishing a class hierarchy. Polymorphism, on the other hand, allows a single method to behave differently depending on the object type. While inheritance enables polymorphism, polymorphism focuses on method behavior, not class structure.