There are four fundamental concepts in java.

1. Abstraction.
2. Inheritance.
3. Polymorphism.
4. Encapsulation.

**Abstraction**: abstraction is a process of hiding the implementation details from the user, only the functionality will be provided to the user. For example, when you consider the case of e-mail, complex details such as what happens as soon as you send an e-mail, the protocol your e-mail server uses are hidden from the user. Therefore, to send an e-mail you just need to type the content, mention the address of the receiver, and click send.

**Inheritance**: Inheritance is a process which allow an object to get properties from other object.

**Polymorphism**: Polymorphism  is a concept which allows u to give the ability an object in different form.

**Encapsulation**: encapsulation is a process of hiding data from outside a class. Encapsulation is a mechanism that binds together code and data it manipulates and keeps both safe from outside the class. It’s called data hiding.