PROMINEO TECH

Career Services Assignment 3 – Java Flash Cards

Instructions: Research common Java interview questions online and create 20 flash cards from the information you find. Study your flash cards regularly to better prepare for interviews. Fill out the table below with the information you put on each of your flash cards.

Front of Card	Back of Card
What are the principle concepts of OOPS	Abstraction, Polymorphism, Inheritance, Encapsulation (APIE)
What is Abstraction	The act of representing essential features without including the background details or explanations
What is the difference between Abstraction and Encapsulation	Abstraction focuses on the outside view of an object(the interface) Encapsulation (info hiding) prevents clients from seeing its inside view, where the behavior of abstraction is implemented
What is Polymorphism	Allows a variable, function or object to have more than one form
Explain the different forms of Polymorphism	Compile time polymorphism is overloading and run time polymorphism is done using inheritance and interface
What is a method overriding	Occurs when a subclass declares a method that has the same type of arguments as a method declared by one of its superclasses.
What is overloading	Having 2 or more methods with the same name in the same class with different arguments
Is it possible to override the main method	No. Main is a static method and cannot be overridden in Java
How do you prevent a method from overriding	Using the final modifier on the method declaration

PROMINEO TECH

Career Services Assignment 3 – Java Flash Cards

What is dynamic binding	Refers to the linking of a procedure call to the code to be executed in response to the call
What is Encapsulation	Hides properties and behaviors of an object allowing outside access only as appropriate. It prevents other objects from directly altering or accessing the properties or methods of encapsulated object.
What is Inheritance	Process by which objects of one class acquire the properties of another class
What is an interface	Description of a set of methods that conform to implementing classes must haves
What is Super	Super is a keyword that is used to access the method or member variables from the superclass
Define Class in Java	A template used to create object and define the data type
What does JDK, JRE and JVM stand for	JDK- Java Development Kit, JRE- Java Runtime Environment, JVM- Java Virtual Machine
What is a Package	Collection of related classes and interfaces
Difference between equals() and ==	equals()- used for Ching the equality of 2 objects defined by business logic, == - equality operator is used to compare primitives and objects
What is an object in Java	Standard runtime entity. It has a state, which is present in the object fields and a defined behavior. Methods work with the objects state to facilitate communication between objects
What is meant by Exception	A problem that can occur during the normal flow of execution