Day - 1 :

- what is oops?
- what is class?
- what is Object?
- what is instance?
- what is JVM?
- why is JVM used?
- why Java is cross platform.
- what is bytecode?
- what is .class file in java?
- why byte code is created when Java is compiled?
- Do all the methods & variables are inherited to the created object?

- How do we create a class in Java?
- How do we creat an Object in Java?
- How many Objects can be created from one class?
- In how many different ways, that we can create objects in Java.
- ~~what is called~~
- which are known as the reflective ways to create object.
- ~~what is an abstract class.~~

- what is an attibute of a class.
- ~~Can you change the values of attributes in an objects.. of a class in from an ob~~

- Can you ~~override~~ Overwriting existing values in an attribute in a class?

- How can we prevent ~~overriding~~ overriding of an attribute in a class?

- How many attributes can be specified in a class?
- difference b/w overloading & overriding
- What is difference b/w parameters and arguments
- can we overload a variable?
- can you pass 3 arguments to a function which has 5 parameters.

- what is method overload.
- what is recursion.

- what is the diference b/w static voriables and instance variables?
- why final is used in java?
  ↳ keyword

- a class must have a matching filename (Main and Main.java).

- why main is a static method?
- What is a constructor?
- Can we have more than 1 constructor in a class?
- can you creat two constructors with exact same parameters

- How many constructors are there in Java?
- What is a default constructor?

- When does a constructor is called?

- what happene to a class if we don't create a class constructor.

- How many times does a constructor will be called?

- what is Constructor overloading.?
- when will compiler add a default constructor?
- ~~is~~ are Deargument constructors & default constructer Same?
- what is a parameterized constructoo
- what are modifiers?
- which are the two groups of modifiers?
- what is access modifiers.
- what is non-access modifiers?
- which are the access modifiers ~~of~~ for classes?
- which ~~are~~ the access modifiers for attributes, methods and constructoo?

- which are the non-access modifiers of classes?

- which are the non-access modifiers for attributes and methods?

- Do constructors have non-access modifiers? if yes which are they.

- which modifiers are available for constructors?

- can you use the modifier abstract on attributes?

- what are the 4 pillars of Java?
- what are the advantages of oops?
- what is encapsulation?
- How we can achieve encapsulation?
- why get & set methods are public
- How to access a private variable from ~~outside a class?~~ a different class?
- what are get & set methods?
- what does the this keyword refers to?
- can you create more than ~~o~~ one public class in a file?
- why Encapsulation?
- How does encapsulation provide security?
- can we use any random name for ~~How does we can achieve~~ getter & setter methods?

- How Can we achieve better data control of attributes and methods?
- What ~~are~~ are Java packages?
- which are types of java packages?
- what is Java API?
- ~~What is IDE?~~
- is it possible to import a single class from the Java API library?
- ~~What~~
- How to import a class?
- How to import a package?
- How to create your own package?
- which casing is recomended for package names?
- How Can we achieve data hiding in java?

- what are primitve & non-primitive datatype

- what is JRE? and it use.
- Can we install more than one version of JDk in a single PC?

- Do we need ~~JRE~~ JDk to run a java program?

- what is the file format of a binary file?

- Can you install JVM and JRE seperately.

- Can you create a class naming "Simple" in 2 different packages?

- what is inheritance?

- what is subclass & super class?

- How do we inherit from a class?

- ~~when~~ :
- what is super keyword?
- What are the types of inheritence
- ~~Can you access the value from 1st class to a 3rd class~~
- ~~why polymor~~
- what is polymorphism?
- why polymorphism is not aplicable on Constructor
- Is it possible to create a class within a class?

- in which condition a class can be private or protected?

- Can a class be static?

- what is the purpose of making the inner classs static?

- does a static Inner class can access it's outer classes members?

- ~~Can an inner class have access to on its outer Class's attributes & methods?~~

- what is abstraction?
- what are the differt ways to achieve abstraction?

~~what is ab~~

- what is an abstract class?
- can you create an abstract method inside the main class?
- What is an abstract method?
- Can an abstract class can have both abstract $ regular methods?
- what is ~~abstract~~ Concrete class?
- Can an abstract method be private?
- is there abstract Constructor?
- is it necessary to add body to the abstract method in the inherited class?
- can we extend $ implement in a single class?

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- ~~which~~ is an alternative way to achieve abstraction ~~class to a~~ ~~and~~ other than abstract class?

- what is interface?
- How to define interface?
- can you have normal methods with body in an interface?
- ~~is interface a cl~~
- is interface a class?

- How to inherit interface class?
- do we use any special keyword for interface methods?

- Can you create

- are interface methods abstract?
- Can you creat attributes in interface?

- ~~can an interface contain~~ a
- do we have constructors in interface?
- how can we achieve multiple inheritance in java?

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- what is exception?
- what is try & catch?
- what does 'finally' do?
- what does 'throw' do?
- ~~override in exception~~
- final, finally, finalize.
- throw & throws.
- ~~what~~ which are the types of Java exceptions?
- what happens if we didnt handled an ~~error~~ exception & an exception occured?
- can we write 'throw' outside a method?
- in which class the finalize method is included?
- difference b/w final, finally & finalize.

- what is thread?
- what is the difference b/w multithreading & multi tasking?
- difference b/w single threading & multithreading?