Pg: (2-50) · Abstract class interfaces The class can inherit The class can implement more than one interfaces only one abstract class. Java abstract classes The interfaces are Comparatively slow and one comporatively efficient. implies extra level of indirection. indurance bottom ms at one time land Java interface can be implemented by using the Java abstract class is extended using the keyword extends in out will be some keyword implements. The member variable of interface are by default final. The member variable of abstract class can be non-final and this abouten 2. Finalize () Method: (Pg: 2-40) Syntax:
void finalize() Ministration code 1 discount of the most of contract of Java has a facility of automatic garbage collection. Hence even though we allocate the memory and then forget to deallocate it

then the object that are no longer is used get

Inside the finality method you will spourly those actions that must be performed before an object is destroyed.

(pg: 2-27) The method overloading occurs at compile time oventiding The method overnding execution time (08) Method overloading is Performed within a days Method ovortiding is normally

performed by two classes that have inheritance relationship.

The overloading In method overniding all function may have different the methods will have the seturn types some networn type Same networn type

CLASSPATH: (P9: 2-68 (0.88)) The parakages are nothing but the

directories. For wating the specified package the fava nun time system make use of current working directory as its starting point this directory path is called CLASS PATH.

6. Use of Supor Keyword: (Pg: 2-65) , The super class is used to access immediate parent class from the subclass. It is used to . . access parentivariable access parent's method: " constructor invaation. 6. Condition for method overriding: If a dass has multiple methods having same name but parameters of the method Should be differentiable live pillion replace If we have to perform only one operation, having same name of method increase the readability of the program. 7. Packages: (Pg: 2-67) Package represent a collection of Claises, methods and interfaces. The name of the Packages must be written as the first statement in java source program. The syntax: Package name of Package!

8. Uses of Packages: (P9:2-68) The classes defined in the package of other program can be easily reused. an have the same name: By using the Package name the particular Class an be referred. There's builton not notified is 9. Exception: (Pg: 3-49) Exception is a mechanism which is. used for hardling unusal situation that may occurs in the program.

Eg: Anithmetic Exception: This exception is used to hardle anothmetic exceptions such as divide by zero. Packages; (rgs 61); Java supports multiple inhantance, throw interface: 10. Java does not support multiple inhoritance because it creates ambiguity when the proposities from both the parent dasses are innouted in child class or downed class. But it is apported in case of interface because there is no ambiguity as implementation is provided by the implementation class.

variables in interface static and final: (Pg: 2-69) The member of interface are static and final because interface belong to interface only and not object. ii.) The reason for being final - Any implementation can change value of fields if they one not defined as final. Then those members would become pool of the implementation. An interface's pure specification without any implementation. (Pg: 37.49) Exception are mainly to caused by the application Ermon are mainly Caused by the environment in which an application is promite class frame Eg: Null point or exception! Eg: Out of memory occurs when an application, over or happens there is tones to access null object. shortage of memory! Thraus ! (pg-3-12) 13. Throw Throws is followed by Throw is followed by exception class. instance. Throws is used with method signature. Throw is used within the methodor morarg

It is possible to declare we cannot throw multiple multiple exception using exceptions ... · Syntax: throws. method name (Parameter List) For explicity therowing the exception, the Keyword thorows exception list of the training of the state of throw is used. 1. 1654 Joseph par hearing 14. Run time exception: (Pg: 3-50) Runtime exception is the superclass of those exceptions that can be thown during the normal operation of the Java virtual machine. Runtime exception is the parent class in all exception of Java. IIIIV. E. 1. (Pg: 3-4).

Try

catch

finally. totones followed by The period form should throws 19050 from is used within 16. Thread in Java Thought is tiny program running continuously is a light weight process in java. (Pg:3-51)

Difforent stages in thread: (Pg: 3-51)

New state

Runnable state - o imi waiting state minimum 17%; Time waiting state Blocked state Terminated state.

Multithreading: (Pg: 3-52)

multithreading is an environment in which multiple through one created and they can execute simultaneously. The multiple thread can be Created either by extending the thread class or by implementing the runnable interface

19. Comment - (pg: 3-53)

Threads do not require separate address for its execution. It wans in the address space of the process to which it belong to thence thread is a light weight process.

sife cycle of thread: (Pg: 3-17)

New! Multillagoding in 113 is a mulliphonerely is or environment in ust malliple. Amands one constad and try and reales simultaneously. The invillate things I can be and effects but ontending the tending to