Scala Traits = Intefaces with concrete implementation

= Traits are like java abstract class

= Traits can inherit class

= Traits are a kind of class that enables multiple inheritance.

= Traits cannot be instantiated

= Traits cannot take class parameters

= Traits can take type parameters

= "with" keyword is used for inherit multiple traits

OOP = extends keyword is used for everything

= Constructor class, primary and auxiliary constructors

= visibility rules for constructors args: val, var, private, public

= Scala doesn't follow the JavaBeans convention

= There isn't static modifier instead use companion object

Object = Object is a kind of class that can have only one instance (singleton pattern)

= Object cannot be extended

Case Object = ???

Exception

Handling = Instead of throwing an exception, we return a value indicating an exceptional condition

has occurred

Partial

Function = Function not defined for some input or if not terminate for some input

TO DO = Apply method and companion object (p.169 learn scala)

=

Stack General = Scrum, DevOps, jekins, JRebel, gradle, maven, ant, Web Services, Security,

Design Patterns, ...

Stack BigData = Hadoop, Solr, ...

Stack Scala = SBT, Play, Akka, Spray, Typesafe, Activator, ...

SMACK (Spark, Mesos, Akka, Cassandra, Kafka)

Stack Java = Spring, Hibernate, Struts2, Osgi, ...

Stack osgi = Felix, Karaf, ...

Stack ORM = Hibernate,

Stack JavaLib = Jackcess, GWT, Vaadin, ...

Stack Mobile = Android, iOS, ...

Stack Cloud = Docker, Heroku, Amazon EC2, Open Shift, AppFog...

Stack Front End = AngularJS, ReactJS, Bootstratp, Backbone, Knockout, Underscore...

Stack BI = Birt, Excel, ...

Stack DB = Access, MySql, Postgres, MongoDB, Cassandra...

Stack Messaging = ActiveMQ, RabbitMQ, Hazelcast, Kafka, ...

Stack Server = Tomcat, JBoss, ZooKeeper, Mongoose, Jetty, ...

Stack Misc = php, python, symphony, groovy, haskell, OCaml, ...

Stack Tools = Wireshark, Crash, SoapUI, ...

Stack Ide = Eclipse, Netbeans, Intellij, ...

Stack Sys = Cygwin, MinGW, Vagrant...

Stack toAdd = GVM (Groovy enVironment Manager), Ruby, Rails, ...

Stack toDo = Eclipse plugin development, ...

Stack Finance = ...