Assignment - g.

9-1 what is Inheritance in Java?

- · En Java I never tance is one of the most important feature of object oriented programming language.
- · It is a processes othat allow a class to Inherit the properties and behavior of another class by using "extends" Keyner rd.

8-2 what is superclass and Rubclass ?

Super class - It is also knever as parent class. It is a class from where the Properties and behaviors are Inherite in any class.

Subclass - It is also known as child dass. It is a class in which the properties and behaviors of parent class is Inherite.

8-3 Heave Inheritance is deheired in Java?

In heritance is achiedled by using "extends" Keyword. trample - clair leople?

String int name = "Ram";

intage = 20; 201

class man Extens per ple of

class lainch { Stair public void main (String [] orga)? Men m, - new man (); S.o.p (M1. name); 8.0.p (m, age); 8-4. What i's polymorphism? In Java polymorphism is a key feature of object-oriented programming that allows object of different classes to be treated as obtail of a common Superclass or poly + norphism Interface. rany Behavior. 1 Run tion e Compile time late binding orly time Behavior is defined at Behavior in de Fined at Runtime. compile time

B-5 method overriding and method overloading is a Runtime polymorphism it occurs when a Sub class provides its over its over it over folion of a method that is already do fined in Pts Super class.

Method over boding — method oweldding & Complile-time polymorphism, this occurs when multiple mathod in the Same class there the Same name but different parameters. Puring compilation, the appropriate method to be exceuted in determined samed on the number of order of arguments provided.

Abstraction explained with an Example.

Abstraction in Java is a concept that allow

you to teide the imprementation defails of an

object and only expose the carential features

or behaviors to the outside coord

3-7. Abstrauhen Moteurd

Declared neithout an Pomplemed took (i.e neithout a mental body).

It is intended to the overrided by Silans
furt excland two abstrat

final method:

'final' Keyword that
can be applied to a

method to prevent

it from being

over ridden in any

Sub class.

8-0 final clase in Java?

En Java final class is need to set my method, properties to be final or to fi be fixed there no change or ever violet we'll keppen in time of En herting it into a child class.

8-9, abstraction

Abstraction is a process
of teidding the implementation
details of an object and
exposing only the essential
characteratics or Behaviors
to the outside coord,

8-10. Reentone polymosphism
This occurs when a fub class
provides its own in plentation
of a method that is already
defined in its Superclass.

en cap Rulation.

of birding data and Mother of that operates or the data whither a Single cen't Called Class.

Compile fine pelymosphism

This occurs when a sub class provides its own implementation of a prethod front is already defined in the superclass.