Day Y: Interfaces, Abstract Classes and static
Abstraction
1) Encapsulation. 1) classes — single unit. 2) access modifiers — into hiding.
D Reusability — outends.
3 Polymorphism.
1) Grenvic interfaces - Subtyping.
3 Dev. Imperience — overloading. 3 Dist implementions — overriding.
(1) Fintenfaces (2) Abstract classes. } (3) Static
class Usen {
string emoil j
String bass word;
"(123") - plaintent.
encrypt encode.
RSA DSA ISITA MD5
"# 39 % ab".

reserve recepte the property and and

class Password Encoder ? encode () {

throw an estroy()
} Class RSA Encoder entends PE { a overnide. encode () { RSA class # encode. Encoder Intorface 3 contract Ly Blue print for behaviour La cannot instantiate.

Interface Encoder ? publit string ancode (string pu); Method declarations. Class REA implements Encoder ? public string encode (string pw) } - -. RSA public string Internal Encode () DSA RSA · creade pu · encode · to encode d RSA C- PE DSA C- PE MDS - PE encode encole encode List < Password Encoder > . encode () Array List Linked List. List Map = Hash Mas code to an interface

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Java 8 > 1) default encode () { dyault

interface Decoder { de coder ();

(2) RSA implements Encoder, Decoder {

> public login () } Instructor Student Montor

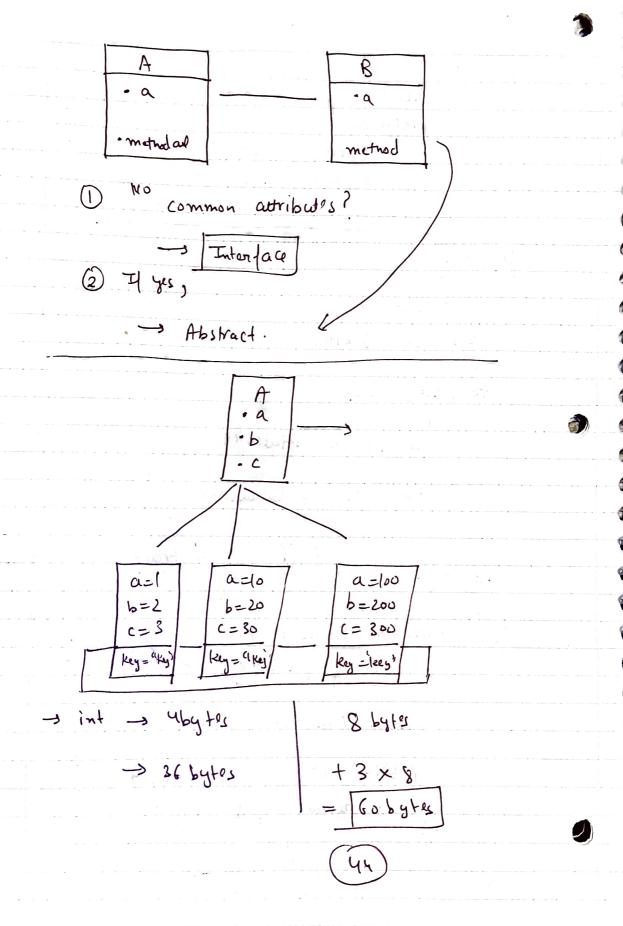
ovoridden.

() ass - Fields -s methods - s implemented - s get Email. is not implemented Login Abs bact - not clean. incomplete. Abstract Classes La not instantiatoble. Static + behaviour. impl. obstruct abstract class Password Encoder { string publicity. public (abstract) String encode (); public string get key () { statorn publickey; Imp methods

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Static Class variable. shared across private string a; Private (Static) string a; User ? name get Name () = Static print () } Sy sout (" rullo"); 3 User U = new User(); U. get Name () j User. Print () ; Static

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Static — non - Static

Point () {

Static — > Static —

USV

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