Introduction to



-) Object orgented programming todes to	
map cade Instructions with real work	d.
making the code short & easier to	
making the code short & easier to renderstand.	
- with the help of OOPs, not true to	,
Such as object, Inheritance & abstract	
such as object, Enhert ance & abstract	for
-> OOPS helps us to follow the DRY(Description of programme which in turn encreases the newson	and
seefeat yourself) approach of frograms	ung.
which en turn encreases the news	with.
of the code-	
Forest D. Monara	
Two most emportant aspects of OOP- Classes & Objects	
Classes & Olyects	
There is medal a prablem: NOW P	
-> A class &s a blue prent for createn	9
algets arounded and within	
-> Classes don't consume any shace en mem	my.
-> Objects enherst methods & variables from	1
the class.	
gt Is a logical component.	
OOP's Service clear.	
JEE Ifled by Spheaten for	
form an student student	
The state of the s	
Class, object to Colegect A.	<u>`</u>
9nstaldation [
Class; Object To Colegect Screate or valed object	

Objects: -) In aligect is a instantiation of a class. When a class is defined, a template endo es defened. - Every object has some address, & It acceptes some space on the memory. > 9t is a physical quantity-For eg. Olefects

1) Manga

2) Guava

3) Guapes How to model a problem es OOP We adentify the following: Noun -> Class -> Employee Adjective -> Attobbutes -> name, age, salary Verle -> Methods -> get salary(), incremento OOP's Terminology Gour Pallars 1) ABSTRACTION Data alyteraction is the way through

rohech only the essenteal enfo en es shown to the riser, I all Enternal detalls remain hedden from the riser. lothering how if was made. 2) ENCAPSULATION -) The act of putting various components together (en a capsule). -> 9n. Java, the vargables & method are the consponents that one wa unapped ensede a class. elman hadden from any other class. For e.g. chocalates are enco urapped ensede a crocalate vendeng mache 3) INHERITANCE -> The act of deriving new things from existing things. In Jaires one class can acquere all the properties & leehavrour of other some classes. > The class which Inherits some other class is called as child class on sub-class. -> The class which is inhersted is known as parent class or super class.

\rightarrow	Increases seems alistity of code-
10	and an interest of the second
ON CO	Egg. Derkahaus F. Derkahaus
	E-g. Rickshaul - F- Rickshaul Phone → Smartphone
	France of smariphone
2	POLYMORPHISM
- <i>'</i>	- OLITORPHISTY
	Day 191 1001 TO 11100000111
	the entity, many forms.
<u> </u>	holy means many, morphs means forms
NO TO	In OOPS, polymorphesm helps to
	One entity, many forms. holy means many, morphs means forms 9n OOPs, polymorphesm helps to herform some single task in many
	1 design
ESTA	For e.g. in that should have so
	A woman can lie a mother, sester,
	evife, daughter etc=
27 .	I smart phone can work like a
	camera, calculator etc.
b e	Hay one shopplated are some word
	ansata a moralate constany market
	Lustom Class
	D THERITANCE
	Syntan of Custom class
in Den	- all out at donsiend and they
	Syntan
	and the stand and controlled a
- 3	class (class name) of
	feeld;
1390	method;
	1 3 bateralis is dado.
	and the security as a second of the first the second of th

	Eog. Master wall Miller
18 7	huller along Employeed
	fulle class Employeed ent ed; // stlosbute-I storing name; // - 11 2
	Atuena manie // - 11 2
	District Mairie, 11
	the same of the sa
ote:	The frest letter of a class should always be capital
- %	alugaris les mas expl
- 3	and any the superior
. 4	Any real world algert = Prop. + Behavrous
\rightarrow	De Object en OOPS = Attroloutes + Methods
	A class with methods &-g. hackage com-company;
	log. Allendard ander
	hackage com, combance
	quanty wing wing,
	class Employee &
	Int Id;
	ent valores
	Int salary; Strong name;
	Jordan James
	hulle vord printDetails() &
	Julie Vara Jurinoveriuso 9
	Cout on My ed es "+ ed)-
	Court la M d' man and Pall la man d'
	Sout In ("My Sd & "+ &d); Sout In (" & my name & "+ name);
	J
	hulde ent actialario
	Junit our gerstelling 19
	huldre ent getsalary () d gutun salary;
	2

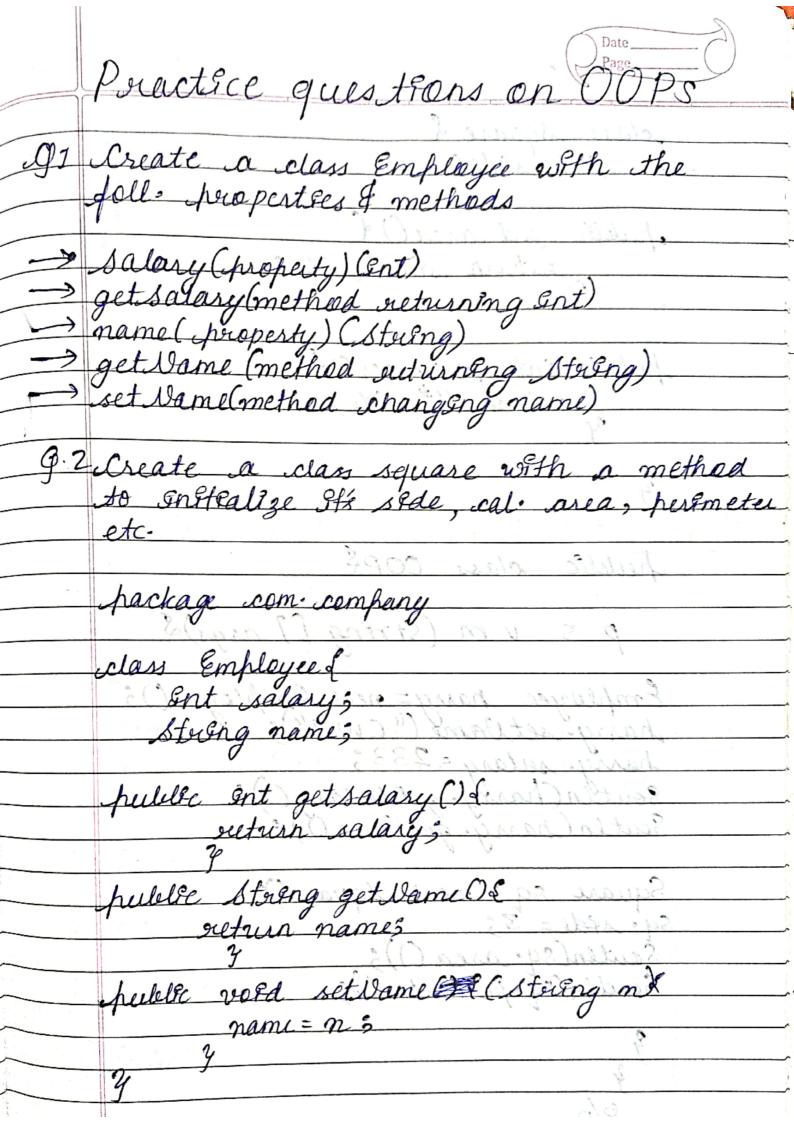
fuller class customs ps.vm (streng [] args) Sout to 1/9 nstant gating a new emp. Employee John = new Employee(); [] Setfeng Atterluctes

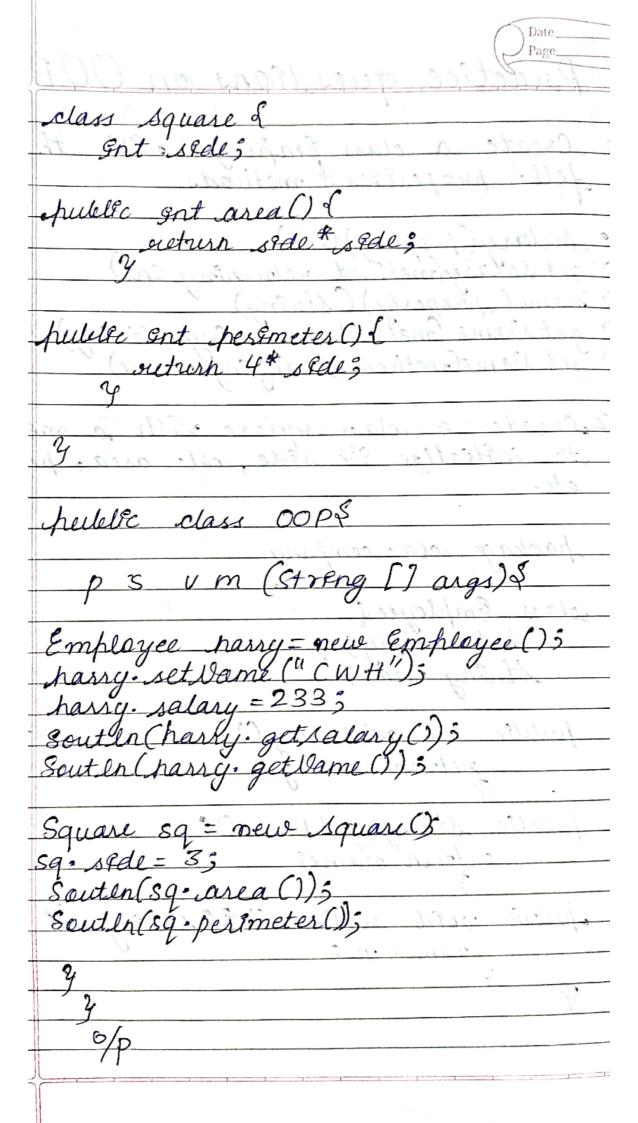
John. ad = 17;

John. salary = 12;

John. name = John Knandelwal;

[] Polentang Atterluctes gohn-frantDetalls(); ant salary=gohn-getSalary();. SoutIn(salary); g Ofp: My Rd &s 17. 4 my name &s John Khandelwal





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