URBAN	
EDG3	

Chapter - 8: Introduction to OOPs
6 PHILIPPIO AND NACHORAL DVS
Object Oriented programming kies to map Code
instructions with real world making the code
Object Oriented programming files to map Code instructions with real world making the code Short and easier to understand
The state of the s
What is Object Oriented Programming Solving a problem by creating objects is one of the most popular approaches in programming. This is called Object Oriented Programming.
Golving a problem by creating objects is one
of the most popular approaches in programming.
This is called Object oriented Programming.
ensetted that he work such sale on the
What is DRY?
DRY Stands for - Do not repeat yourself
DRY Stands for - Do not repeat yourself Focuses on code reusability
traction to absule)
(latt
A class is a blueprint for creating objects.
TAKE STRUCT D ALL ANDVEYS ALL STRUCTURES
JEE => Filled by an Student => Application for that Student
form surrey where motioned that Student
Europe data can be hidden from the Usens
Class ⇒ Object Instantiation → Object Instan
Contains info tour priving to tall and to analyzed
object.
Object Rawless S - S <= market S
An Object is an instantiation of a class. When a class
15 ruefined a template (into) is defined. Memory is
allocated only after object instantiation.
by Polymer phison - One control many forms

	How to model a problem in OOPs We identify the following:
	We identify the following?
	The total and the second secon
16	Noun - Class - Employee
	Adjustive -> Attributes -> name are Salary
	Noun \(\to \) Class \(\to \) Employee Adjective \(\to \) Attributes \(\to \) name, age, Salary Verb \(\to \) Methods \(\to \) get Salary (), increment ()
	What is about burney & Regramming
	OOPs Terminology
-1-	OOPs Terminology Abstraction - Hiding internal details [show only essented info!]
V	11001 (action) 11100 1110 (actions for solid into
	The this About without bothering
	> Use this phone without bothering about how it was made
	Alexand today to all - ma shared V80
7,	Encapsulation - The cict of butting various components
	Encapsulation > The act of putting various components together (in a capsule).
	1 (m va vapait).
	> laptop is a single entity with Wifi + Speaker + Storage in a single box!
	Secarent + Storage in a Single boul
	and motion (A) <= motion of motion o
	In Java encapsulation simply means that the
	In Java encapsulation simply means that the Sensitive data can be hidden from the users
	de and the motor and and the second
37	Inheritance - The vact of deriving new things from
	existing things.
	Rickshaw => E-Rickshaw
228	Phone => Smart Phone
	Implements DRY!
	colored male after object invantation
4,	Polymorphism - One entity many forms
	Smartphone -> Phone Smartphone -> Calculator

	Writing a Custom Class
	Writing a Custom Class We can write a custom class as follows:
Service Control	
No. of the last	public class Employee { int id; → Attribute String name; → Attribute 2 3
ALC: NO.	int id: Attribute 1
-	Steing name: Attribute ?
-	7
-	
	Any real would object - Properties + Behaviour
The state of	Any real world Object = Properties + Behaviour Object in Oops = Attributes + Methods.
	Object M. OOFS - Attentions - remains .
	A class with Methods We ran add methods to our class Employee ras follows:
The second	late can add methods to our class Employee as
	Ciloures
-	10110m2 ·
Section Line	buldie dan Contlana &
The same of	Litic i. 1
	public int la
	public class Employee { public int id; public String name;
1000	public int get Salary() ? // code
	2
-	public void get Details () {
The State of the S	// Code
	<u>3</u> ;
	5;