* Encapsulation * Assignment Solution x. why it is culled Data hiding? Ang. 1. Birding of data and connex bonding methods into a single unit is collect 11 Encapsulation! If any Jury class follows data hiding and about naction then such classed if ne of "Encusula ted Glas". Encapsulation = Data biding + abotha chion. Eveny dy to member inside the Class should be doclaned as private, and to access this pariso to have gotten and soft on me thodge Encapsulation is often negened to as data hiding becouse, · Restricted Accoss: By making the fields of a class privato, encapsulation hider the internal state of the object from dispect access pr extern of code this ensunes that the date con not be modified dinochly, which an

prevent union tended intenference
and misusp.
ef the Encapsulation?
et the Encapsulation?
Ans.2 Encopsulation in Java 11 a
power by mechanism that provides
Sevancel Important features which
Contributor to the nobust ness
Security and Mintennability of
0 (attud 978 9001/ C9 +109) - 11 11 W
the key feat and of encapsulation
· Data Hiding
- Improve Secusity
· Made lanity
· Flexibility and maintainability
· Resusability
a Readability and Man ay eability
· Readability and Man ay eability
Mothode in Jara explain with
de example.
David Setter methodo dos unas la cal
Agy 3 Setter methods are used to set the value to the instance Variables of the Class.
Vaniables of the
Valle Colf
Cymtax of cotton
Syntax of soften method
9. Comply mare to
a. Comp/ 4802x the wethod mone

should stant cuith sot. (b) it should be public c) Return type stould be groud. (d) Compulsonily it should have Some yayum ent. Getten Methode used to get the value from the instance variables of the Glass Syntax of gotton Method (9.) Compulsory the method name should stant with got. (b) It should be public not be avoid (d) Complisonily it should not have any unguanont. Class Stygent pairate stains anome; pairate Intleyen id; private string add moss. public void set same (Staring name)} this namb = notable

public vold setzel (20 degen id) 3 public void set And noss (Stoning addon. public Intogen get Id () 5. public Stoning get Add nows () 5 not unn addness; public class Demo

public static void min (staiges) Student std = now stydent ();

Std. Set Name ((Agay (1). Std. Set Add 97055 (11 Good akhby 11). System out print of mad gress is " "+ Std. get admess,

System out print of mad gress is " "+ Std. get admess,

System out print on ("Add gress is " ! + Std. get admess,

). Nume is : Ajay Addness in Crongshpya What is the use of this key wond explish with an example JAVA this " keyword is and functionality Xample

public Class Employees
public Class Employees puivate Stains anome; puivate into age;
// Congtou cton
public Employer Storing nume int you this name = man or
this age = age;
public void dipplay () So
System out prim for (1) Non o: 11+ this. 911),
3/3/01/3/1/2/1/2/1/2/1/2/
public static vold Main (Storing [] ang):
(11 A) 9Y 11 100);
3 620 b. d/6/0/ ();
2 Calbut
Ajax
100

05 what is the advantages of Encepse Ans Advantages of Enapsulation (9) we can achieve security (a) we can achieve secunity

(b) Enhancement becomes eary

(c) Maintainability and Modalanity pecomes car (d) It provides flexibility to the Java 2 Givo un example. Jelloculing steps: (1) Detlane the vanidales of a class of private. This mestanich dinoch form outside the cluss. (2) privide public getten and soften Contaulled quest to the pailyde to the gotton method one was ralace und the settles mothede and used to mostiff the firefoly

public Clury pengon namp! Stolic Static Noly mulas Stoling E) and) S 5/5+0m.04+.pnin-/-/01/11