

```
3) P89
                                         6 x Import statement should declaration
         package login;
                                            written after package statement
         class A
            int i= 120; // access privelage: default
   *H
                                         7x We can import one class at
            psvm (string[] args)
                                            a time (08) all classes of the package.
             Sop (" Program starte ...");
             A al = new A();
             Sop ("i="+a1.i);
             Sop ("Program ende ...");
         class B
        of perm (String[] angs)
             Sop ("Program starts...");
        A al = nwA();
        ma al. i = 234;
          Sop ("i = " + al. i);
ed
              Sop ("Program end. .. ");
    Ax provate int i = 120; 1/access privalage, private
      O/p: class B
    behave like a private in subcla
```

```
package logen;
public Class A
      public int i=120;
      psym ( ) month on the
      a time (on) all classes of the?
        Sop ("program starts...");
        A al = new A();
        Sop ("i = " +ai. i);
       Sop ("Program ends...");
    package inbox;
    public class C
      psvm (
         Sop (" Program starte ... ");
         login. A at = new login, A();
          al. 1 = 785)
         Sop (" =" +a1, i);
         Sop ("Program ends ...")
```

Acces Specifications

17) The access specifiers defines visibility

2x Java Supposts 4 types

- 1) Private
  - 2) defout
  - 3) protected morpout ") god
  - 4) Public (1) A war = 10

Privati has a visibility upto Class level

They cannot be referred (0x) accessed outside the class.

default members: has a visibility upto package level. The default members can be referred from any class within the package.

public members has a unider
visibility. Public members of an
class can be superound from
outside the package or unithin
the package.

Public members of an Class con be referred from outside package only if the class is public.

knotected members has visibility upto package level, it can be referred outside package through inheritance, once a protected members one inherited behaves like a private in subcle

```
12-02-2013 Tuesday
    same as previous example
6) package login;
     public Class A
   package inbox;
   impost login. A;
   public class C extends A
   f psvm()
      2 Sop ("Program starti...");
        C cl = new C();
        Cl.i=7665;
        Sop ("i="+c1.i);
        Sop ("Program ends . . . ");
    class D extends C
    of psvm (string [] args)
          Sop ("Program starte ...");
          D di = new D(1;
            d1.2= 5465)
           Sop ("i="+d1.i);
           Sop ("Program ends ...");
```

- 2x) An outer class should be either public or default
- 18x Enner class con have any of the four access specifiers.
- 4x An outer days connot be declared as private bec it connot be used or referred anywhere.
- as protected bec protected members can be referred only though inheritance, class will not be inherited, only members of class will be inherited.
- one public class, in such case the filename should be same as public class.
- combe referred from

  1); another class by using getters & setters method,

  Both getters & setters method.

  Should be public.

Both action bedien with

\* A java class which has following a Known as Java Bean class 2) private variables and m 3) public getters & setters method. public class C extends A \* java bean are used in development of enterprise application ) was = 10 Sop ("L="+CI.1) O shootxo ( sep/3 A (spro [ ] prints ) my 29 op ( Program start ...) I di = risu De 1;

```
Gretters Method & Setters Method
package login;
                                   Can u refer a private members of
class Student
                                    a Class?
                                    Yes, by getters, setters method()
  private int stID=191;
                                   and set the methods as public.
   private double st Marks = 12,58)
                                 * Gretters method returns private
// getters Method
                                  variable value.
   public int get StID()
                                                     mitialize
                                 * Setters method bety the porvate
     return stID;
                                   variable value = 10
                                * A gara
public double get St Marks ()
    return st Marks;
  // setters Method
   public void setStID (int stID)
      this, stID = stID;
   public void set St Marky (double st Marky)
      this, St Marsky = St Haroks;
                                                     class Runs
                                         (2000 [ ] prist2) musq
 class Runa
    psum (Stolng[] angs)
                                             Sop ("Pargram
       Sop ("Program starte. ");
                                    of ga = Gr. get Instance ();
       Student st = new Student ();
                                              og, sample (C);
       Sop ("Studend ID: " + stl.get StID());
  Sop ("Student Marsky; "+ etl. get St Marky(1);
                                   O/P Program stute.
     Sop ("Program ende");
                                                                 (56)
                                       Student ID: 191
                                        Student
                                               Mark: 12,58
          Pregram ender
                                       Program
                                               endy . . .
```