Program ende ...

7 S.o.p (" value of set is "+ set);

```
Example 2:
P17
  class Demod
    psvm (String[] args)
      Sop ("Program starte...");
     bample();
     Sop ("Program ande ...");
    Static void sample()
                                                   I.Q
       Sop, out, pointly ("sunning sample method");
                                                    Is return statement
                                                    mandatory in a method in
       Il compiler would return statement here
                                                    java?
                                                   Ansit Yes, but incose of a
   3
                                                      void method compiler
                                                      writer return statement No.
                 starts ...
        Program
        rounning sample method
        Program ende ...
Example 3%
  class
        Demas
    psvm (String[] areas)
     Sop ("Program storte...");
     int re = sample (ia, 34);
     S.o.p (" result " + res);
     8.o.p (" * * * * * * * * ");
                                                 bartan
     int re = Sample (23,64);
     Sop ("result is "+ res); or a bestime a golden of
     Sop ("Program ende...");
   6
                                                                            (0)
```

```
Static int sample (int a, int b)
   Sop ( "running sample method");
   Sop ( "value of a "u" +a);
   Sop ("Value of b "+b);
   int sum = atb;
   return sum;
   Program Storte...
    running sample method
    Value of a is 12;
    Value of b 4 34
     value of ree is 46
     * * * * * * * * *
    Tunning sample method
     Value of a is 23
     Value of bir 64
     Value of rel is 87
     Program ends ...
                      NOTES
294) While developing programs the repeatative tasks/operation core
     develop as method.
                                            executes all the
23.3) method is a block when invoked
    Statements of method body.
                                             ((48,68) storms = 108 to
244) The Syntax to develop a routhod in java 4 + 1 10000 god
         modifiers between type method Name (argo, arg1, arg2)
              Veturn value;
```

- 25x) In every method return statement is mandalogy
- 26\*) A return Statement indicates the type of value the method has to returned.

  return value should match return type.
- 274) Args provided to variable used to store data possed for method.
- 28-x) A void return type indicates that method returns mothing.
- 29 \*) If a method returntype is declared as void it is not mondatory to curity return statement, in such case compiler white return statement at the time of compilation.

```
Assign
1. 8. I , Degree to F , Area of Circle using method.
   class Assign Combine
 & PSVm (Steing[] args)
     Sop ("Program storte...");
      doubles
        double res = Simple Interest (10000, 0.15,2);
        Sop ("Simple Interest is"+ res);
       Sop (" * * * * * * * * * * * )
        double res = degree to Fahrenheit (28);
        Sop ("Fahrenheit " 'tres);
        Sop ("** ** * * * * * * * * * *);
        double orea = area of (ircle (20);
        Sop ("Area of Circle is "tarea);
        Sop ("*******);
        Sop ("Program ands...");
```

```
Static double simple Interest (double a, double rate, int time)
 System. O.p ("Running Simple Interest method");
 double interest = a * vote * time;
 Sop ("The amount "+a+" at the rate of "trate+" for "+ time + "years,");
 return interest;
Static double degree To Fahrenheit (double degree Celsiu)
  Sop ("Runnig Degree (elein to Fahrenheit");
  double req = (degree(elsine +1.8) +32;
  S.o.p ( degree Celsius + " Degree Celsius is equal to ");
  return res; bottom price abril & out, 7 or small , I
  static double orea Of Circle (double radius)
    S.o.p ("Running area of Circle method");
    final double PI = 3.14;
    double area = PI * rading * rading;
   S.o.p (" For radice" tradice):
    return area,
                              Sop ("Falmonhart " + 700)
                         double مصدع = معدم فالانداد (عد)
```

pop men of timbre a torsel

Sop ("Program array . );