Variables

15*) In java variables are used to store the data of programmy

16 *) The variable has to be declared first before initializing. L

16.1*) The syntax to declare a variable

datatype Variable name;

17th Datatype: Indicates the type of value that we assign to the variable. Java supposts 8 type of datatypes.

1. byte

2. short

3 . int 78 - 4 70 0

4. long

5. flood

6. double

7. char

8: boolean

NOTE 18*) In java there is no string vorsible. Inorder to store

String value java provides a class String, String Buffer &

String Builder.

19*) Every variable has to be initialized before using inany operation. The syntax to initialize variable is

Variablename = value;

20*) If any variable is used without initialization, then compiler throws an erosoo.

21 A vourable can have diff values initialized, thoroughout the program execution.

```
9) class Area Of Circle
  PSVTO (String[] args)
     Sop ("Program starti...");
                                          // float variablename = value f;
      final float PI;
                                            long variablename = value l;
       PI = 3.149;
                                         Final double PI = 3.14',
       double o;
       8=2.5;
                                                double vadius = 10.0;
        float Area;
                                                double Area;
        Area = PI* xxx;
                                               Area = PI * radius * radius;
        Sop ("Area of Circle" + Area);
                                         Sop ("Area of Circle with radius" + radius + "is"
       Sop ("Program ends ...");
                                               + Area);
                                          Sop (Program ends. .. ");
   3
 O/p. Poogoam starti...
       Area of Corde
       Program ends ...
  io) class Assign Simple Interest
       psvm (String[] args)
          Sop ("Program starts...");
          double Interest;
          long Poinciple = 10000 l;
          double Rate = 0.15;
          int Time = 2;
           Interest = Principle * Rate * Time;
         Sop ("The Simple Interest for" + Principle + "amount at the rate of"
                Rate + "for" + Time + "years duration is" + Interest);
         Sop ("Program ends...");
        3
         Program starts...
The Simple Interest for 10000 amount at the rate of 15% for 24% ?

duration is 3000
```

class Assign Deg To Fahrenheit

psvm (String [] args)

f

Sop ("Program startu...");

double Fahrenheit;

double Degreecelsius = 28;

Fahrenheit = (Degreecelsius *12) + 32;

Sop (Degreecelsius + "Degree Celsius "a equal to "+ Fahrenheit + "Fahrenheit

Sop ("Program ends...");

3

O/p = Program startu...

Program starts...
28 Degree Celsius is equal to 82.4 Fahrenheit
Program ends...

- * * * * * * -

int Time = 27; Universit = Franciple = Rate = Time;

"+ 1000 T 10 T + 309

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The Standard