Solo MPR

variable:

A Mariable is a container which holds to volue.

- variable is a name of memory location. 145

DATA TYPE

Data types specify the different sizer and values that can be in the variable. stored

Diata Type

(predefined) was colo silving

byte (10 (7 prints) short andown alasay int long tool

double

b. 1910 sposso (userdefined)

Mouble

byte byte

Prinitise act as a datatype: N.Sn-primitive vact is a datutype or was less to

STEPETOSO = 1 MM

Data type Default value Default bit boolean talse '140000' 2 byte chai 1 byte 1109 byle 2 byte 2/19 0 short 0 4 byte 4kg int. OL & byte 8kg long 0.01 4 byte Float Idairon gloyte benato 0.0 double Bala Type Program for datatypes: Package org. datatypes; public class ExampleDataTypes public static void main (String [] orgs) byte a; byte a1 = 100; by 23 = 019; short b = 12345; Short 61 = 8799; int c = 1112121212 ine (1 = 0/89789878;

```
long d = 56789908764678X;
                          chan C;
    11 Decimal Numbers
  Hoat e = 344. 67 + 23 UNIN MAISSA
  double f = 46777.334444;
  boolean h = true's
  shor 19 = 15 00 = 1
  String s = "aiite2task@gmail-com";
 System. out Println (ai);
 System. out. Printlin (03);
 System. out printh (b); = 10
Gysten. out. println (61);
dysten. wut println (C); =0
System. Out. println (CV);
System. ou printh (d);
Bystem cout println (e);
Bysten cout prints CF);
Bysten. out. Printin Chis.
System out Printle, (3);
Bystem. out. Printin (18);
3
 VARIABLE DECLARATION:
       idatatype variable-name;
   Host &
```

```
land d = 5/7849087641
double x7
char C;
             D. Cinante March Day
ASSIGN VALUES TO VARIABLE (Initialization)
datatype Variable-name = Value;
  eg,
     int a = 100;
Hoot & - 20.38+3
     whom alphabel = 'a';
RE - ASSIDTHING OF A VARIABLE ..
    int a = 1013 where printers (201) = a sing
       a= 15618) allows two motors
       a=2050) alling was mutique
eg. program; (1) while the
    Radiog org. datatypes;
                          Sulter .
 public close Datatypes Examples;
      public static word main (String
      [] wargs)
          int 10 = 34;
              2 23 . W. S. T. HAIRA
      11- No 0 = 6;
           und b=45;
           b=78;
       System ow Println (b);
       syriem, out printh (a);
```

3 3 Types of variables: There are three types of valables in juva - Local vouible. - Butance Vansable / Bilolal Variable
- Static Vaniable. (i) Local Variable: A Variable declared inside the bordy of the method is ralled lord worked. you can use this upridate condy within the relaw or not win methods that the variable exists. Initialisation must. A Joen institute etannot be defined with Static Reyword. 2) Instance variable. A voulable declared the class but voutside the body of the method is volled unstance variable If not initialized it will take a default value.

statie variable: A variable that is declared cas Static is salled Static variable. A string copy to be shared by all instaines of class. Munery allocation for such variables vary happens once when down is headed in memory. A statu variable coan be accessed ducitly by the class name need any object syntax: static un b= 100; Example Program: For Rocal and alobal variable. package org. referance public class Type of Variable unt b=80; public void addition () { un C; int d=60; cleatbi Syphen out prently (() System out printer (d):

```
public static void main (String[] args)
     Typud Variable to = new Typud Variable U.
   System.out. println (tv.a):
    tv. addition ();
 For Statie Variable:
  package org. referance;
  public clas Statichbriable
     1 int a=10;
       statu unt b=20;
      public statu void mais (Storig [)
                             augs)
      Static Variable sv = new Static Variable 12.
        b=b+20;
      System.out. println (sv.a);
      System out println (6); 1/20+20
      Static Variable S.V, = new Static briable).
         b=b+60; 11
           su, a = Sv, a+40;
          System out pruits (SVI-a);
     Syptem out println (6);
```

Day-3: 08-04-2023 seation Topios : non-6. Data types manuals Types of variable mounted Poulam truized method Scanier downing elgmans copsentre. variable is a container that holds a value. Data types: Parmitin Mon. primitions boolean wed String Chare Chare Shortus the off to double site of whole

Reserved Keyword predefined keyword whole rumbus stored datation I byte byte=10; byte a = wg Short b=12345; 2 bytes short b1=5:199; ent = 4 bytes by = 3 bytlong a = 1234<67841 11 Deumal: chass lever arieble > intoria vanable Reassighing Variable int a -10 b=5; System out . 1. and In (b); Types of variable: Global / Instance - dan leval local variable Starů variable 7 dasstevel

static variable 4) no need to create objects 4) wethen the package we have to occers by clars name. Variable ram b static memory econnot be diarged. 2788 8 3 WW 1 + 2 day col = E mal the Calding was proportion M Januble:

browned ker she

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