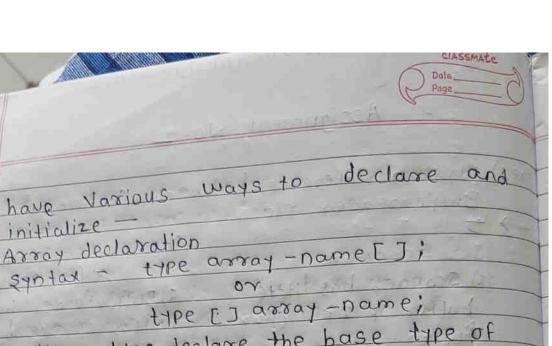
	pranow-NWkay-Java Theory Assignment No 2 classmate
	Assignment NO-2
7	Moite a difference between Scanner f Bufferreader class. 1) Scanner Buffer Reader. 1) Scanner has little 1) Buffer Reader has large buffer of 1 kB (har buffer of 8 kB byte buffer.
	2) Scanner has method 2) Buffer Reader has method like next Int (), etc. like parseInt (), Ponseshort etc.
1,41	3) Scanner has method 3) Buffer feoder has method heatline() to read a readline() to read a line().
	4) Scanner is not 4) Buffer Reader is Synchronous in nature. Synchronous in nature and should be used only During multithreading. in single threaded case environment Buffer Reader Should be used.
Quez)	What is blank final Variable? A blank final Variable is a final Variable that is not initialized during declaration.
7	Exprain Various ways to declare and initialize one dimentional array in Java is a linear list of element of the Same type To create a one dimentional array, we



initialize -Array declaration syntax - type array -name [];

type [] array -name;

Here type declare the base type of the array and array name is the name of the array.

Example: int [] intarray;

This declare an array named Intarray However the array does not exist . The intarray is set to null which represent an empty array. byte (] byte array;
object 5 objArray [];

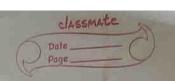
Student [] Student Array i

Que 4) list the different types of variable in java, Explain each type in detail with example There are three types of variable. in java

- i) local variable.
- ii) Instance Variable.
- iii) Static Variable.

Dlocal Variable:

A variable declare inside the body of the method is called local variable you can use this variable only



within that method and the other method in the class aren't even aware that the variable exists.

designed with "static keyword"

Ex: - public class student details.

Public Void Studentage ()

11 local Variable age
int age = 0;
age = age + 5;
system out println ("student gage.
is:" . + age);

public static void main (String args[])

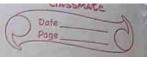
Student details Obj = new. Student details is ();

obj. Student Age ();

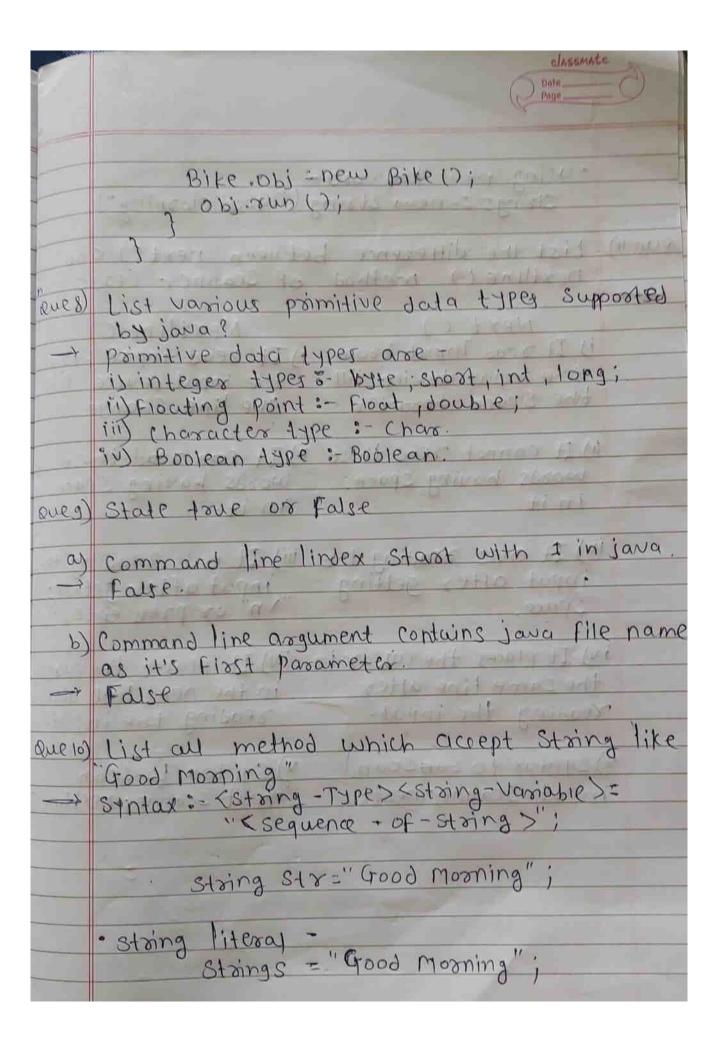
(ii) Instance Variable:

A variable declare inside the class but outside the body of the method is couled instance variable. It is not declare as static it is called stinstance variable because it's value is instance specific and is not should among instance.

import . java io: *; class Mark 11 these variable are instance variable and are not inside any function int eng Marks; int maths Marks; Class marksdemo to the second second of the second public Static Void main (String args [] Marks Obj = new marks (); Object engmarks = 60; obje. maths marks = 90; Marks obj 2 = new marks (); obj2. engmarke=70; Obiz. Mathsmarks = 60; System.out.println ("Marks For First object:");
System.out.println (obj 2. engmarks);
System.out.println (obj 2. mathsmarks); system.out.println("marks for second object:"); System. out point in (obs 2 engmarks); system.out. pointln (obj 2. mathsmasks);



Que 6) which exception should be caught at Compile time while using Bufferfeuder Class? when we using BufferReader Class it Saying "unexpected exception java jo Totxappi must be caught or declared to be thrown. Que 7) What is final Variable? Write Various ways to initialize it with example? A final Nasiable is a constant whose value cannot be changes. A final Nariable must be initialized and once initialized it cannot be changed. Any attempt to alter it results in a Compile time error Example : final type identifier = value; Ex: Final float Pi=3.142
Final fint = 5 Static Final double PI = 3.14. Ex: - class Bike final int speedlimit = 909 //final Varia Noid main () 2 speedlimit = 400; Public static Vold main (String [] args)





string new Keyword - (" Good Morning");

Eric 11)

list the difference between next () and nextline () method of Scanner Class

Next () the input device till the Space Character

Nextline () is It read input from is It read input from the input device till the line Change

is It cannot read those is) It can read those woods having space. tnit

words having space

iii) It ends reading the input after getting Space

iii) It ends reading the input after getting

iv) It places the cursor in the same line after reading the input.

iv) It placer the cursor in the next line ofter reading the input.

N) syntax to sanscan input scanner. next()

v) syntax to scan input scanner. nextline()