	PAGE No.
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	Assignment no. 1
	Algo
	2. Declare a variable n
	3. Taken as input
	4. check if its remainder in a comment
Constitution Constitution	4. check if its remainder is 0 after dividing by 2 6. if yes the
	6. if no -ve
	8. END
	8. END . metros our of minages which is plinearing
	The state of the s
	check -ve no cond marris a demost al a
3/2%	and the second of the contract of the second
T52.940	The state of the s
1000	History of Javano habitano manini da
	- Created in 1995 (Omacle) owned by
Serie ve	- James Gosling, Mike shendon & Patrick Nava tron - Green
	Sun engineer on -
	Sun engineer developed at Sun Microsystems.
	-Time line xil9+511 embedded system 11-11-002-
	(Same Holk (ob) his Tamas
	Green talk (.9t) by James
	Oak (Java war called Oak at stort)
	why oat?
	Why Java? L Java mational Tree of many Countries
	why Java? I Java many countries
	James was sipping coffee Java Jok 1.0
	as the coffee was named Java" in 1996



*	How Java is useful 4 Problems it solves
	- Java is high level, robust, object oriented & secure
and the state of t	- Platform independent
and the second s	- Used to develop - enterprise app
	- network mindon big data
	- dektop n "ingai-ac loud is 8
e estimate a ser est	= 100 The resultable down all to the line of the standard of
<u> </u>	games of games of the
	- Android
	- Rich Apl collections to help programmers to develop
	- Scalability - adds capacity to our system, add system resour
	-cess, havidles monthload.
6 30	- Cooss-platferm After compling a Java code -> binory code
Total	management: manager memory with gorbage
	direction, automatically deteler objects (not in use)
	Mullithan 1)
	- Multithreading - Thread is a light-weight personal
	- Allowse Changerer allows a little
3.70° % & 5.10° %	mos concoment execution of two or
	$\sim 110206.7001 \text{ PH} \cdot 11000$
	- componies that wer Javan
	· Spotify · Minerraft · Netflix
×	JUM (Java Virtual Marchine)
10 (10 (10 (10 (10 (10 (10 (10 (10 (10 (- 1t is a nuntime engine to nun Java applications.
177	-> calls -> main method
	- port of JRE (Java nuntime environment)
	- Platferm independent because of JUM
	TIGHTOUT THE PERIOD OF THE COLOR OF THE COLO
	Collect the said free cont
	The specific of the second control of the se

· 174	TDK INITED
C	TPK TPK TRE TVM Constitution and the constituti
*	JRE (Java Runtime environment
	-port of JDK (Java Development Kit) - contains → Java class library
demonstration and the	Gr specific tools
	Java code -> byte code -> run requires JRE
	JRE loads classes, venify access to memony, retrieves
	system presources.
. 37.16. 77 NO. 15 NO.	resources so that once you write Java softwar, if soils on
	- it a software package which inveded for Java to run correctly.
*	JVM JRE 2 1 3 200 2 JOKY S
40CU	Engine that execule Package that include A comprehensive tool for bytecode Donald TVM, lib and developing Java, Include
	Tre, compilers 4 tools.
Compo	byte code interpreter, as Jum, Cose lib Jre, complier, tools Just in-time (JIT) and a compostor and dueg. debugger.
	Compiler, Crosbage Support execution (Javadoc
Purpose	10 make Java 10 provide runtime 7001s to develop, Platform environ necessary Compile, debug. Java
	for execution
Usage	and industry suced by anyone wired by Jara
V	by the word of the developments.
	no in the second
	in a surround of hour hand on it is had never and

	DATE
	Memony areas of JVM man and and and and and and and and and a
	program > bytecode > machine long (bytecode) (line by line)
	program byte(ode.
	Chyrcodov
_	Types of Memory orcas allocated by Jum
_	
-	1. class - The class method area is Memory block that
_	8tores class code of cit is the state
,	- Vonable code
	method code is about the
~	- constructor of Java program
~	-stenes class level code -> runtime constant pool
-	Slover class level code of rolling construction and service field f method data
- 41123	THE THE CONTROL MAINES FIELD (THE FIOL MAIN
	2. Heap: - stered Objects 395
Tall land	- class interfaces, arrays how tout some
	- used to allocate memory to objects at own time.
100+1	200000000000000000000000000000000000000
21001.00	3. Stack :- stores Frames 4 a new frame is created
	each time at every invocation of the method.
September 2017 and a company of the	4 frame is destenyed with completed
	To the second se
	4. Program Compuler register: stenes address of JVM
	instruction, storing return address or native
	pointer (months see
The state of the s	5. Native method stacks / csacks:-
	- Alsonot Java.
	- This memory is allocated for each thread when
	it's created & it can be fixed or dynamic.

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*	Premitive data types (in blue byte)
	byte: 18-bit signed integer: Range - 128 to 127
	chart: 216 " -32,768 to 32761
	int: 432 " Range -2,147,483,648 to 2,147,483,647
A.	Cloat: 432-bit single precision floating point ag
	chor :216 = bit unicode rinoracter orio
<u> </u>	1 me or false.
	1-bit size (injava lonly true & balse not of 1) 5-toot Lec 2
	Java concepts a position of position to a local of the
	why is gava secure? because there are no pointer so
	latest version - 24
	most stable - Java 1:85 and ma Er and Bon and
	Initial name - OAK (political)
	exection - java, · class, · jor (advanced), ·