Interpreted Language - In Interpreted Language it used to

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	and hough cloud.
TAI	Embedded was
4	Embedded systems - Smat dovices, Internet of things
-	TOTAL STATE OF THE PERSON OF T
+	help of Java.
-	
	Paot-2: History of Sava:
3	Who developed sava and when it was introduced?
Ans	- Java was developed by James Arthur Gosling
	acet of natter ematerison aux +p 2006 to 1996
1	he had decided to made decided to open source.
1	Soo Fel
1	
2	what was Java Pritially called? why was it name
	changed ?
ANS	- Tour was initially called oak! Took James hosling
,,	and teams but changed names bake to Javar after
-	1991 12n 1995 Jana 1.0 rexsion officially released
-	pt son Microsystems.
-	pg 30n 19110029311110
6	Describe the evolution of Sang versions from its
3	Describe the evolution of section
	inteptions to the present.
Ans	Inteptions to the production of java verdion - Below are the list of Evolution of java verdion-
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-		Date		
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	Year & versions	Milestone		
1	Tava Java (1) in	Java 1.0 Version officially lanced		
	30e£	with a Java Development Kit (JDF).		
(2)	Java (5) 8n			
0	2005	It introduced generics and enhanced		
		for-100ps,		
3	2000(8) in 5014	In odded lambda expressions f streams		
'				
@	Java (±1) 97 ×018	It encloded LTS version with enhanced		
-		API		
0	Java (17)9/2021	It latest LTs with proformed improve-		
		-ment		
(2)	what are son	ne rejon improvements introduced in		
	recent gava			
Ano	- Major empro	rements on shape Recent java vexicas-		
1	Java 8 - functi	onal programming, streams, default		
	methods.			
0		1 Tour GG added 11TTO Clark API.		
0	2940 33 - KEN	naved Java &E, added HTTP cliant API.		
3	Jova 27-sealed classes, enhanced suften statements.			
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(5)	now does java comme
	language like C++ and Rython in terms of
1	Commence of the state of the st
Ans	- compansion between ique and a site of and author
	more complex manner management.
	Python: Simples syntax by slower execution
	Java: Balances speed and case of use has better
	portability.
	Part-3: Datatypes in Sava
	Explain the importance of datatype in java?
	- Dotatypes define the type of data a variable
	can hold and it oncuring power memory allocat-
	-i'on and type batety.
0	Differentiate between Primitive and Non-primitive
	de taty per?
Ano	- Primitive Dutatypes - In primitive Datatype the
	default or pre-declared 2 atatype that are present ?
	Java. These goe of two types
3	Boolean Dataty per @ Numoric Datatyper Cint float,
	(True or false) Char, etc).
	NON-promitive Datatypes - In NON- promitice Datatypes
	expects dutaty pe are decalred by the work, objects,
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	reacted b Degrades

Late

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	array and	Cherte	· · · · · · · · · · · · · · · · · · ·		
3	lest and b	micely de	an he see obere of out.		
405	The Elym	th pron	ni tive Datatypes one -		
	Datatype	3920	Default vale		
3	byte	13	O O		
0	Short	28	6		
3	int	34B	0		
	Felocot	48	0.04		
3	long	88	OL		
	double	8 B	0.07		
0 7	CHAR	28	~\00000,'		
8)	boolean	1-13	Tove false		
9	provide ex	camples o	of server how to declare and initialize		
	different o	latatypes	6		
Ans	- Public	class Tur	pe Casting Example {		
	Public Static Void main (String [] 9895) {				
		int no	um > 10;		
		double	numpouble=num;		
		The second second	P°=3.14159;		
		int p	iJn+=(in+) Pi)		
	atto printly (" " + num Doubles;				
	System. wt. printon (" " + P°IM);				
	3				
	3		Teacher's Signature		
			Teacher o ob		

Date

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D what is JDK? How does it diff from JRE and AND - Java Development KP+ (JDK) - It contains Resolvate Environment (JRE) and Development to compiler I debugger, etc.	Java Java
Java Pentine Envisormo (JRE) - It contain JUMG Ubrual machine) the libraries for execution.	Da~ a
Java vestral machine (JVM) - It convert bytecade machine code.	11/0
Explain the main components of JDK Ans - compart The main components of JDK whe -	
D compiles (javac) - converts Java rade to byte ade D JUM (java) - It Runs Java provysams B JAR tool - Proceages tiles into JAR files.	
(3) Debugger (ids) - Helps debug java applications.	4 on your
And Installing Joic Steps— O Down load Jok from Oracle official nebsite of on your operating by stem 32 bits or 64 bits. D Install and Set JAVA—HOME envisonment van	
3) verify installation wing: Teacher's Signature	

PARK

E	xpt. No Page No
1	java -version
	explain its structure.
anot	Public Static Void main (String [] args) &
	System.out.pointln("Hello, world!");
	3
3	what is the significant of PATH and class PATH emiso-
Ano-	PATH-LOCATES Java tools (Sava C, java).
_	CLASSPATH - Lucytes UStr-defined Classes and JARfiles.
6 Ans	ungth is the difference NW open JDK and oracle JDK? of Open JDK- In open JDK the Ptis open-Source and
	oracle JDK- Proprietury 1 commercial and license.
6	Expigen how java programs are compiled and exerci-
AV	Dempile using java c Myprogram. java (creates
	3) Run using sava Mypragoam.
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