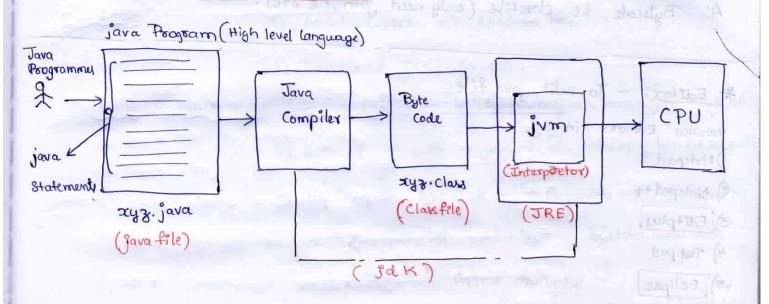
LAND STORY

CHAPTER 1: BASTES



NOTES .

- 1) All java statements are saved as javatible with extension java.
- 2 x Java Compiler generates Classfile bosed on javatile.
- jun [Java Virtual Machine].
- 1 jun à a interpretor, it converts byte code line by line into Machine Level Language (M.L.L) duoing execution.
- Java Compiler and Ire (Java rantime Environment) together is called jdk.
- 6 * Java i platform independant i.e only needs classfile, only condition it needs jum.

Java & Micro Edition & Mobile Applications

```
(A) What is executable format of Java?
    Bytecode i.e classfile (only need from, i.e Ire).
* Editor: - To edit java file.
 various editors in IT:
1) Notepad
1 Notepad++
3) Editplus
4) Text pad
es) Eclipse - Selenium scripti
(6) Net Beans
 2 How To Install :
  Step1: To Install i) Editor - editply
   a) Java Compiler - Jak Java development KP+
                    3) Ire
  stepa: Version: jdK-1.5
                  jak - 1.7 - latest
 Just compiler and the (Love restince Environment) together
  Stop3: Types of Releases:
Selenium - 1) Jase - Java 2 Standard Edition [ Standalone, Client Server]
           2) JREE - Java 2 Enterprise Edition Web Application
           3) Jame - Java 2 Micro Edition [ Mobile Applications]
```

Interview Questions

Step 4: Install: 1) Groogle - jak 1.7 down load - Java SE Downloads

- 2) JavasE -> Latest Release -> Java Platform
- 3) Accept License -> Windows X64
- 4) Download jak ... 64. exe.

while installing remember path i.e (:\ Program Files \ Java \ jdk 1.7.0-01)

- 5) Settings -> path -> jdk -> bin -> Copy bin folder path
- 6) My Computer right click → Properties → Advanced

 → Environment Variables → System variables

 → path → EDIT
- 7) Variable value -> scrolltend -> parte copied bin folder

morphy is the Volum provided in professor

phoreful stamum &

done it is the day

Supply S married

6) Command prompt: java-version

If error: path error 'java' is not recognised as an internal or external Commond (put; and them pasts correct path).

growld be algrobe ealy.

mosposed " I perlos stock (s.

Est) (of age; ___ ; all mornable mamarifund a roman

- 1.1) Keywords
- 1.2) Identifier
- 63) Leterals margorities and diag administration of the
- 2) Keyword: * proe defined reserved word. * All Keywords in java are in bourcese. Ex: int, if, switch, wold, class, final
- about nid briggs stung brushlense autor sider 3x) Identifier & * one the names given/provided in program by programmer. * Rules to be followed to give names:
 - * Keyword should not be used.
 - * Use alphanumeric charecters.
 - * Always starts with Alphabets/starting character should be apprachet only.
 - Ex: 1) int age; 2 all variable names, method names, 2) double salary 1; program names are identifiers
 - 4) Literals: + Values provided in programs

Grenorally 3 types:

- * numeric literaly
- * Character literaly
- * String literal.

5* Developing a java program involves 3 stops

- 5.1) Coding
- 5.2) Compilation
- 5.3) Execution (x = 3

6*) Coding:
Writing a java program i known as Coding.
Here we write programmes using java statements.

The program written should be saved with extension
'java'. This file is known as javatile.

824) The classific contains byterode.

A javafile should have class definition block. The syntax to write class definition block is

-g"			9	
clase	ClassNan	ne	— class definition	block
/8 =	<u>vast</u>	mvj ad	- miliones	T wing
classbody _		ansel ;	idaban-turubani.	U90
who for		Palarar	hi mani	

Its by convention the claxename should begin Upperause. The java statements has to be written inside the class body.

be same as Clarename.

8*) Compilation:

- 8.1* Is process of converting java file into class file.
- 8.2 x) The class file contains byte code.
- 8.3*) Java Compiler translates java statement into bytecodes at the time of compilation.
- 8.4 *) Java Compiler generates the classfile and saves the classfile in the location where javagile is available.
- 3.5 x) The Syntax to compile any javafile is javac filename.java

9x) Execution &

- 9.14) Running the classfile is known as execution.
- 9.2*) The fum executes the bytecodes present in the classifile and gives the result.
- 9.3 x) During execution the jum converts classfile into.

 CPU understandable format.
- 9.4 *) Jum is an interpretor which executes the statements line by line
- 9.5*) Syntax to @ execute classfile is

java classname

while soving the jova program, the filemanue should

- 114) jun starts execution only if java class contains main method otherwise jun thosaus error.
- 11x) A java class which doesn't have a main method connot be executed.
 - 12*) To compile a javafile change the working directory to location where javafile is saved.

```
Example:

P1:

Class Sample Program

Public static void main (String[] args)

System. out println ("Hi", Welcome to java"); // displays the message on the Screen, print reso line char System. out. println ("Java is powerful programming Language");

3
```

O/pi Hi, Welcome to Java

Java is powerful programming Language

Epsvin (String[] args)

System. out. print ("Hi, Welcome to java \n"); // \n is to print in newline

System. out. print ("Java "I powerful programming lunguage");

3