1) Java is case densitive (Everything in java is must be present inside the clay public clay A T (3) To run any java program it require two step process 1 Compilation 1 Execution (4) Compilation is two step process Their the Java program against jova library in checking for correctness of the syntan and if it is not correct then compiler gives compilation error. (1) If the program is correct then convert that into byte-code (5) Byte rode is not a machine level language of low. leve language ratner it is an intermediate language that JVM can understand. 6 Byte code is JVM independent > Byte code can vun anywhere. (7) JVM is platform Dependent (8) The entension of byte code is clay 9 Javac PS the Compiler which would be present in Tava- Home I bin

The work of JVM is to execute the byte code plus resource monogement (1) Java can run anywhere but it should have a JVM First it is tried on Microoven. JVM -> class loader Byte code Verifier Security Maraga Garbage Collector Line by Line Code enceutor Engineer.

```
IVM is responsible for our java program line by line
1 Java Es platform Independer
3 Write Once & run anywhere
    berdin
       Exproving System + Processor -> Platform.
  Q+b=(1+2)=3
                                             000. (
      allocate M + 2 > Astembles (machine level
Memry = 2 \ code)
                                              C=0 eb
                      Execute on +
                                              Source
                       processor processu
                                              code
                              Output -(3)
     compile
                Ex: add, or ad assembler.
    Assembles [ Dependent on Processis)
      processin. (Intel)
       program always planform dependent
           compiler
            Assembler > Allocate 1
                       M -(2)
                        add -
                        Ros -(3)
         Assembly level code can
  O same assumbly live code can't be our on are
      the processir. It is processir dependent
                                                  P.T. 0
```

Java 1 1995 - Sun Microsystem -> Oracle Corporation. Development JVM T0013 Pacrage Java - Class loader days Javas mimory areas JavaDOCF. Runtina abrany enclution Engine JRE JOR 2 run JDK -> To dividop Java program is JDK is require To encute Java program JRE is enough JVM - IS a Porterpretor Excuse line by line code Jum ?s platform dependent FOR JUM is responsabile for run implying I ara beodian Development classes, program Jok provides to develop your & run it it.

Scanned by CamScanner

