

JAVA

Graphic Environment Programming

1st.
HOMEWORK



Cesmag University

Engineering faculty

Computer Science / Software Engineering

Graphic Environment Programming JAVA

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Below you will find a series of items that you must to answer on your visit to the Remigio Fiore Library.

1. Complete table below: *Primitive data types in Java*

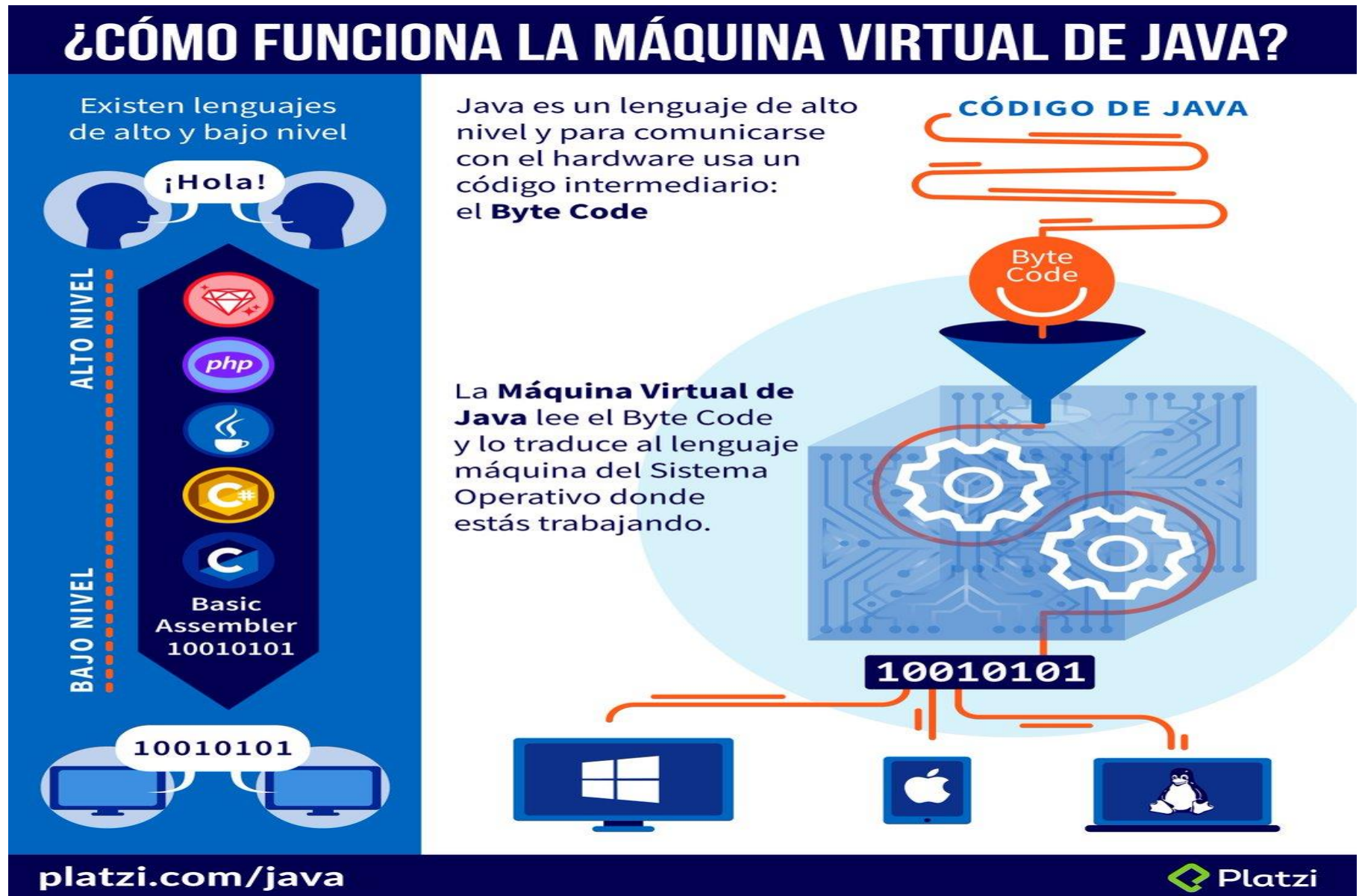
Data type	Value/Size/Format
Boolean	1-bit true (1) or false (0) value.
byte	8-bit signed whole number (no decimals) with values ranging from [-128 to 127]
short	16 bit Use the Short data type to contain integer values that do not require the full width of Integer data. With values ranging from [-32.768 to 32.767]
int	16-bit It can represent a finite subset of integers. The largest number it can represent depends on the space used by the data and the possibility (or not) of representing negative numbers. With values ranging from [-32768 a 32767]

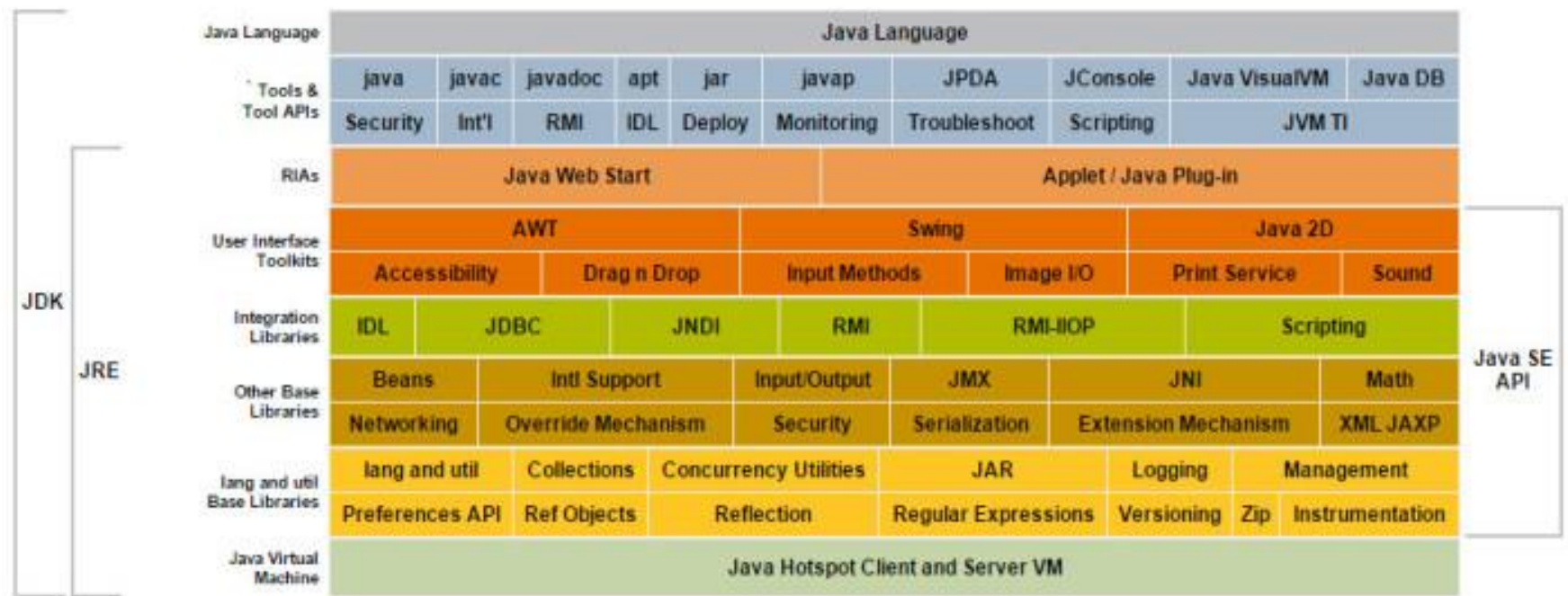
long	64-bit Use this type of data when you need a wider range of values than that provided by int. With values ranging from [1.7E-308 to 1.7E+308 ó 3.4E-4932 to 1.1E+4932]
float	32-bit The data format of the type "floating point" or "float" applies to numbers with decimals. With values ranging from [3.4E-38 to 3.4E+38]
double	64-bit The double type is similar to float, but is used when the precision of a floating point variable is not sufficient. Variables declared as double type can contain approximately twice as many significant digits as float type variables. With values ranging from [1.7E-308 a 1.7E+308]
char	8-bit The CHAR data type stores character data in a fixed length field. The data can be a series of letters, numbers and other characters of a single byte or several bytes that can be used by the code set of the local environment of the database. With values ranging from [-128 a 127]

Table 3. Primitive data types in Java.

Remark: It is not necessary to add new rows in the table.

2. Read about JVM and JDK, and explain *graphically* How each one works.





3. Complete the following table:

Java platforms			
.	Initials	Name	¿Where do you use it?
1	JSE	Java Standard Edition.	Gracias a esta tecnología podemos “jugar, cargar fotografías, chatear en línea, realizar visitas virtuales y utilizar servicios como, por ejemplo, cursos en línea, servicios bancarios en línea y mapas interactivos” sin importar el navegador que estemos utilizando ni tampoco el sistema operativo en el que nos encontremos ya que Java funciona a través de una máquina virtual totalmente ajena a estos, lo que le confiere una compatibilidad casi universal.
2	JEE	Java Enterprise Edition	Es una plataforma de programación—parte de la Plataforma Java—para desarrollar y ejecutar software de aplicaciones en Lenguaje de programación Java con arquitectura de N capas distribuidas y que se apoya ampliamente en componentes de software modulares ejecutándose sobre un servidor de aplicaciones.
3	JME	Java Platform, Micro Edition (Java ME)	Ofrece un entorno flexible y sólido para aplicaciones que se ejecutan en dispositivos móviles e integrados: teléfonos móviles, TDT, reproductores Blu-ray, dispositivos multimedia digitales, módulos M2M, impresoras y mucho más.

Remark: It is not necessary to add new rows in the table.

Please, in the next table add the books information or references books about the material where you found information concerning to JAVA applications programming.

Title	Authors	Topographic signature	Editorial
¿Qué es J2ME o Java ME?	jvl0	https://www.java.com/es/download/faq/whatis_j2me.xml	
¿Qué es Java JSE?	formatalent	http://formatalent.com/que-es-java-jse/	
Tipos básicos de datos	decsai	http://decsai.ugr.es/~jfv/ed1/c/cdrom/cap2/cap24.htm	
Development Kit (JDK)?	develop.xml	https://www.java.com/es/download/faq/development.xml	
Máquina Virtual de Java	baeza	http://www.baeza.cl/cursos/proyarg/lbastias/JVM.html	

Remark: Do not forget to register your entry to the library with your ID card.

When did you visit the library: **5 / Marzo /2020**

Deadline:

Date/time? Friday 6, 2020 – 23:55 hrs.

Where? Moodle platform (UVirtual)

<http://uvirtual.unicesmag.edu.co/login/>

Format file: Pdf.

File name? Java3a_YOURNAME.pdf.

