10/7/23 Java

James modeling - father of Java

Evaluation of Java

1992 - origin of Java

1995 - Turned of an Java

It's an platform neutral language.

5 phases:

step1 : compile time environments

step2 : Java compile (connected to Java Bytecode)

step3 : class loader (Byte code verifier

step4 : JVM

step5 : some code must be in Java

Java c. welcome java

Arguements :

line arguement

Quiz :

① A. compilation

B. Java source code

C. class loader

D. Byte code verification

E. Interpretation

F. execution.

② Byte code verifier

③ a.class file

④ False

Qn:

⑤ sample java file contains A, B and C how many .class files will be created after compiling sampling java

⑥ what will be the result if you to compile and execute.

```
class sample
  {
    public static void main(){
    system.out.println("welcome");
  }
}
```

A. compilation error

B. runtime error

C. The program compiles and execute successfully and prints nothing

D. It will print welcome.

types of java applications

1. standalone application
2. web application
3. enterprise application
4. mobile application

features of Java:

1. simple
2. object oriented
3. portable
4. platform independent
5. secured
6. robust
7. Architecture neutral
8. interpreted
9. high performance.
10. multithreaded
11. Dynamic

Quiz.

① what will be the output for the below code?

code.

```
public class sample
{
public static void main(){
int i. val=10. j-val=20;
boolean che;
che = i_val < j_val,
System.out print ln (che value :
{
}
```

o/p

che value : true.

② what will be the results if we try to compile and execute the following code?

```
class Test {
    public static void (String[] args)
    {
        int x=10;
        int y=5;
        System.out.println(++x+(++y));
    }
}
```

o/p 17

③ match:

Data type	size
Byte	- 1
char	- 2
int	- 4
Double	- 8

④ what will be the result if we try to compile and execute the following code

```
class test{
    public static void (String[] args){
    int x;
    System out print("x");
    }
}
```

o/p → X