Local (Stack, Automatic) Primitives and Objects

1. **class** **Person**

{

**int** id;

String name;

**public** **Person**(**int** id, String name) { **this**.id = id; **this**.name = name;

}

}

**public** **class** **PersonBuilder**

{

**private** **static** Person **buildPerson**(**int** id, String name)

{

**return** **new** Person(id, name);

}

**public** **static** **void** **main**(String[] args)

{

**int** id = 23;

String name = "John";

Person person = **null**;

person = buildPerson(id, name);

}

}

MCQ’s

**What is the size of a boolean data type constant in Java?**

A) 1 bit

B) 4 bits

C) 8 bits

D) Not documented well

Answer [=]

**D**

**Explanation:**

**A boolean value can hold only one bit of information. But the size of a boolean constant in memory is not defined clearly anywhere. It is machine dependent. It may be 4 bytes or so.**

**17) What is the IEEE standard adopted to represent Floating point numbers in Java?**

A) IEEE 9000

B) IEEE 800

C) IEEE 754

D) IEEE 512

Answer [=]

**C**

**Explanation:**

**IEEE stands for Institute of Electrical and Electronics Engineers. Original specifications were defined in the year 1985. The current version includes improvements or corrections done in the year 2008.**

**18) What is the character encoding standard used in Java language?**

A) ASCII

B) Unicode

C) Hexacode

D) Bytecode

Answer [=]

**C**

**Explanation:**

**Unicode takes 2 Bytes of memory to represent all characters of all languages.**

**19) What is the abbreviation of ASCII?**

A) American Standard Characters for Information Interchange

B) Australian Standard Code for Information Interchange

C) American Standard Code for Information Interchange

D) None of the above

Answer [=]

**C**

**Explanation:**

**ASCII can represent only the English Alphabets and a few special symbols.**

**20) Choose the right statement about Java Data types.**

A) Integer data types are short, int and long

B) Real number data types are float and double

C) The character data type is **char**.

D) All the above

Answer [=]

**D**