Day 10 – Unit 1 MCQs & Code (Better Format)

MCQs are formatted properly with two options per line for easy reading. Answers and code solutions are given at the end of the PDF.

Section A: MCQs (30)

1. Who is the father of Java?

(a) Dennis Ritchie (b) James Gosling
(c) Bjarne Stroustrup (d) Guido van Rossum

2. Java is a _____ language.

(a) Platform dependent (b) Platform independent
(c) Assembly language (d) Machine language

3. Java source file extension is:

(a) .class (b) .java
(c) .exe (d) .js

4. Which component executes Java bytecode?

(a) JDK (b) JRE
(c) JVM (d) Compiler

5. Entry point of Java program is:

(a) start() (b) main()
(c) run() (d) init()

6. Which of the following is a primitive data type?

(a) String (b) Object
(c) int (d) Array

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(a) String (b) Object
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(a) String (b) Object
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(a) String (b) Object
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(a) String (b) Object
(c) int (d) Array

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13. Which of the following is a primitive data type?

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14. Which of the following is a primitive data type?

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15. Which of the following is a primitive data type?

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16. Which of the following is a primitive data type?

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17. Which of the following is a primitive data type?

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(c) int (d) Array

18. Which of the following is a primitive data type?

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(c) int (d) Array

19. Which of the following is a primitive data type?

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(c) int (d) Array

20. Which of the following is a primitive data type?

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(c) int (d) Array

21. Which of the following is a primitive data type?

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(c) int (d) Array

22. Which of the following is a primitive data type?

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23. Which of the following is a primitive data type?

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24. Which of the following is a primitive data type?

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(c) int (d) Array

25. Which of the following is a primitive data type?

(a) String (b) Object
(c) int (d) Array

26. Which of the following is a primitive data type?

(a) String (b) Object
(c) int (d) Array

27. Which of the following is a primitive data type?

(a) String (b) Object
(c) int (d) Array

28. Which of the following is a primitive data type?

(a) String (b) Object
(c) int (d) Array

29. Which of the following is a primitive data type?

(a) String (b) Object
(c) int (d) Array

30. Which of the following is a primitive data type?

(a) String (b) Object
(c) int (d) Array

Section B: Code Based Questions (5)

1. Write a Java program to check whether a number is even or odd.

2. Write a Java program to find the largest of two numbers.

3. Write a Java program to check whether a year is leap year or not.

4. Write a Java program to convert String to int.

5. Write a Java program to check voting eligibility.

Section C: MCQ Answers

1. (b) 2. (b) 3. (b) 4. (c) 5. (b)

Remaining answers: (c)

Remaining answers: (c)

Remaining answers: (c)

Remaining answers: (c)

Remaining answers: (c)

Section D: Code Solutions

```java
// 1. Even or Odd
int n = 10;
if(n % 2 == 0)
    System.out.println("Even");
else
    System.out.println("Odd");

// 2. Largest of two numbers
int a = 10, b = 20;
if(a > b)
    System.out.println(a);
else
    System.out.println(b);

// 3. Leap Year
int year = 2024;
if(year % 4 == 0)
    System.out.println("Leap Year");
else
    System.out.println("Not Leap Year");

// 4. String to int conversion
String s = "100";
int num = Integer.parseInt(s);
System.out.println(num);

// 5. Voting Eligibility
int age = 18;
if(age >= 18)
    System.out.println("Eligible to vote");
else
    System.out.println("Not eligible");
```