

Unit 3 End Sem Important Questions

July 2023

1. Explain following features of java in detail
 - i) Security
 - ii) Platform Independence
 - iii) Object - oriented [6 Marks]
2. Write short note on i) Garbage collector ii) this [6]
<https://youtu.be/ZL21p05TNfU>
3. Define constructor. Which are the types of Constructors used in Java? Explain with example [6]
<https://youtu.be/xwAOiW1CHVw>
<https://youtu.be/58yyAnFreB4>
4. Explain following features of java in detail [6]
 - i) Portability
 - ii) Architecture Neutral
 - iii) Distributed
5. Write short note on
 - i) final
 - ii) finalize () [6]
6. Explain one dimensional and multi - dimensional array used in Java with suitable examples.
<https://youtu.be/imCnYWeM1qg>

Jan 2023

1. Justify the meaning of each characteristic of Java in the statement
“Java is simple, architecture neutral portable, interpreted and robust and secured programming language”
2. Write a program in Java to perform the addition of two matrices (multidimensional arrays) and set the diagonal elements of resultant matrix to 0.
3. Write a program in Java using switch-case statement to perform addition, subtraction, Multiplication and Division of given two numbers and print the result.

4. Explain in brief below keywords with example in Java. i) Final ii) Static iii) This
<https://youtu.be/INMIPf5Ew58>
5. Define Constructor. List its different types. Demonstrate with suitable example the different types of constructors used in Java.
<https://youtu.be/xwAOiW1CHVw>
6. Write a program which receives n integers. Store the integers in an array. Program outputs the number of odd and even numbers present in this array.

May 2024

1. Explain why Java is secured, portable and Dynamic? Which of the concept in Java ensures these?
2. What are strings in java? Explain following operations of class strings in java with example.
 - i) To find length of string
 - ii) To compare strings
 - iii) Extraction of characters from string
 - iv) To search a substring [9 Marks]<https://youtu.be/LZM0Hgt41lo>
3. What is a constructor? Show with example the use and overloading default, parameterized and copy constructor? [8 Marks]
<https://youtu.be/xwAOiW1CHVw>
4. What do you mean by method overloading? Demonstrate through a program in Java how method overloading is used to add two integers and three integers respectively. [9 Marks]
<https://youtu.be/CFV4dFmyZGY>

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