



DAYANANDA SAGAR COLLEGE OF ENGINEERING

(An Autonomous Institute Affiliated to VTU, Belagavi)

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Department of Information Science and Engineering

INTRODUCTION TO JAVA[18IS6IEJVA]

QUESTION BANK

Module -1

CHAPTER-1: INTRODUCTION

1. Explain the evolution of Java language?
2. Compare C++ with java.
3. Write short notes on bytecode and JVM
4. List and explain any 10 Java Buzz words (**OR**) List and explain the features of Java?
5. List and explain Object oriented principles with examples?
6. Write a note on lexical issue with suitable example.
7. Explain in detail the primitive data types of java.
8. Explain Type casting and type promotion rules with an example.
9. Explain arrays and its types with examples.
10. Explain java's control statements.
11. Write a java program to sum values of an array
12. Write a java program to calculate the average value of array elements.

CHAPTER-2 OPERATORS

1. List the different arithmetic operators in java and write a program to demonstrate basic arithmetic operators.
2. Write a program to demonstrate % operator.
3. Explain arithmetic compound assignment operators with an example program.
4. Explain increment and decrement operators with example.
5. Explain relational operators in detail with example.
6. Write a program to demonstrate ? operator.
7. List out the bitwise operators.

8. Explain the following bitwise operators with example
 - (i) >>
 - (ii) >>>
 - (iii) ^
 - (iv) ?
9. Explain different bitwise logical operators with example program.
10. Explain selection statements with examples.
11. What are the various iteration statements available in Java? Discuss with suitable example.
12. Explain jump statements with examples.

Module -2

CHAPTER-1 & CHAPTER-2: CLASSES

1. Write a program to illustrate the concept of class and object declaration.
2. Write a program to demonstrate methods with explanation.
3. What are constructors? Explain with an example.
4. Write short notes on
 - a. This keyword
 - b. Garbage collection
 - c. Finalize() method
5. List out the various accesses specifies that Java supports with example.
6. List out the importance of constructors. What is super key word used for?
7. Explain overriding and overloading with example?
8. Explain with example of how object can be passed as parameter inside the method ?
9. Explain the following
 - i) The static keyword
 - ii) the final keyword
10. Write a Java Program to create a class named 'Student' with String variable 'name' and integer variable 'roll_no'. Assign the value of roll_no as '2' and that of name as "John" by creating an object of the class Student and invoke the necessary method to display these values.