Basic of java

1

Write your first Java program using notepad and run it.

Play around with the various keywords in the program and run the program and see what happens and find out the reason for the same. Like -

Remove keyword “static” from main method.

Find out what happens when the filename is different than the class name in the file.

2

Write Java programs to declare, initialize, modify all the primitive data types.

Write Java programs to find out what happen when we use different type of literals for data types.

Like try to use float literal for integer data type.

Write Java programs to demonstrate the rules of naming conventions of variables.

3

Read and learn about the below java buzzwords. Why java is -

Simple

Secure

Portable

Robust

Architecture-Neutral

High performance

Distributed

Dynamic

4

5

6

Find largest number in an Array of Integer

Find average of numbers in an Array of Integer

Rotate an Array by 2 positions

Add Two Matrices.

7

* Find out what is difference between String and StringBuilder classes? What are the scenarios to prefer StringBuilder over String?
* Explore below String operations and write a program for each -
  + String length
  + String concatenation
  + Get character at a given position from String
  + Check if a String starts with a given character or String
  + Find index of a given character or string from a String.
  + Replace a character from a String
* The **java.lang.String** class provides many useful methods to perform operations, explore and write program for 5 more methods apart from mentioned above.
* Write a program to explain the difference between “equals” method and == operator when used with Strings.