

Java Programming and Hadoop

Second Draft

Day-1

.

- Overall Intentionation, Plan explained
- Installation
- SOP

Day-2

.

- Variable,DataTypes-size
- While you code observe Data
- Swap Two Numbers,Swap Three Numbers
- Addition

Day-3

.

- Swap without third variable
- Calculator
- Operators

Day-4

.

- Operators
- if-elseif-else
- Marks-Pass-Fail

Day-5

.

- Nested if else
- Flow of the Program is Diverted

Day-6

.

- For loop Mechanism
- General examples
- Playing with Init / Condition

Day-7

.

- Count the numbers of even numbers
- Loops experiments with conditions
- Loops experiment with Increment/Decrement
- Loops and conditions

Day-8

.

- Nested for loop
- While and for loop

Day-9

.

- Arrays and for loops
- Playing with Arrays

Day-10

.

- TBD
- TBD

Day-11

.

- A Logarithmic Design
- Counting Problem
- Summation

Day-12

.

- Fibonacci
- Reversing a Digit

Day-13

.

- Smallest Divisor and Greatest Divisor
- Generating Prime Numbers
- Passing the Power of a number

Day-14

.

- Array Reversal
- Array Counting

Day-15

.

- Maximum Number in a set
- Ordering Array

Day-16

.

- Normal Sorting Algorithm
- Merge - Sort Introduction

Day-17

.

- Merge Sort
- Selection Sort

Day-18

.

- Insertion Sort
- Summary of Sorting Algorithms

Day-19

.

- Binary Search
- String Reversal
- Letter count

Day-20

.

- TBD
- TBD

Day-21

.

- TBD
- TBD

Day-22

.

- TBD
- TBD

Day-23

.

- Printing Diamond, Rectangle

Day-24

.

- Concept of Clean Coding
- Modular Programming
- No Return Type- With Arguments

Day-25

.

- Return Type - With Arguments
- Return Type - No Arguments
- No Return Type - No Arguments

Day-26

.

- TBD

Day-27

.

- TBD

Day-28

.

- TBD

Day-29

.

- TBD

Day-30

.

- TBD

Day-31

.

- Object Orientation
- Constructors

Day-32

.

- Using Library Class
- Strings

Day-33

.

- Strings

Day-34

.

- TBD

Day-35

.

- Files

Day-36

.

- Files

Day-37

.

- Collection

Day-38

.

- TBD

Day-39

.

- TBD

Day-40

.

- TBD

Day-41

.

- student,Arrays,Linked List etc;

Day-(60-90)

.

- Big Data