Day 2 :

**Java**

**Core Java**

**JavaSE JavaEE JavaME**

**JSE JEE JME**

Java Standard edition Java Enterprise edition Java Micro edition

Desktop or standalone Web application small application

application Android

**spring framework or**

**spring boot**

**Operators:**

Arithmetic operator: +,-,\*,/,%

Logical : &&, ||, !

Conditional operator : >, >=, <, <=, ==, !=

Assignment : =

Increment and decrement operator : ++, --

**Conditional statement**

1. If statement

If(condition) {

}

1. If else

If(condition) {

}else {

}

1. If else if

If(condition) {

}else if(condition) {

}else if(condition) {

}else {

}

1. switch statement

**looping**

1. while loop
2. do while loop
3. for loop
4. enhanced loop or for each loop

**array :** Array is reference data type. Which is use to store more than one value of same types.

Syntax of array

datatype arrayName[];

int[] abc; array declaration

int a;

array initialization

**int num[]={10,20,30,40,50,60};**

to access value from array we need to use index position. Index position start with 0.

num[0];

num[5];

num[6]; error (exception)

creating memory size of array in java

datatype arrayName[]=new datatype[size];

**int num1[]=new int[10]; like in C int abc[10];**

if variable is local (variable is part of method or function is know as local). Local variable doesn’t hold default values.

Depending upon type of data types array variable if you created memory it hold default value.

1 int family 🡪0

2. float family 🡪0.0

3. boolean family 🡪false

4. char -🡪 space (white space)

Retrieve element from array using enhanced loop

for(datatype variableName:arrayName) {

}

Taking the value through keyboard in java.

**Using Scanner class.**

Scanner is a pre defined class. we need to create this class object.

Syntax

**Scanner sc = new Scanner(System.in);**

Package : package is a collection of classes and interfaces.

In Java Scanner class is a part of **util** package. we need to import util package.