**DAY -5**

**HANDOUTS**

**Q) Explain main method in java?**

public

------ JVM wants to call main method from anywhere.

static

------ JVM wants to call main method without using object reference.

void

----- Main method does not return anything to JVM.

main

---- It is an identifier given to main method.

String[] args

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It is a command line argument.

**Q)What is command line argument in java?**

Arguments which are passing through command prompt such type of arguments are called command line arguments.

In command line arguments we need to pass our inputs at runtime command.

ex:

javac Test.java

java Test 101 Alan M 1000.0

| | | |\_\_\_\_\_args[3]

| | |\_\_\_\_\_\_\_\_\_\_args[2]

| |\_\_\_\_\_\_\_\_\_\_\_\_\_\_args[1]

|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_args[0]

**Q)What is fully qualified name in java?**

Fully qualified name means we will declare a class or interface along with package.

ex: java.lang.System(C)

java.lang.Runnable(I)

Fully qualified name is used to improve readability of our code.

**Q)How many operators are there in java?**

There are 8 types of operators are in java

1) Assignment operators

2) Ternary/Conditional operators

3) Logical operators

4) Bitwise operators

5) Arithmetic operators

6) Relational operators

7) Shift operators

8) Unary operators

**Q)How to convert decimal to binary number**

10 - decimal number

1010 - binary number

2|10

--- 0

2|5

--- 1

2|2

--- 0 ^

1 |

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1010

**Q)How to convert binary to decimal number**

1010 - binary number

10 - decimal number

1 0 1 0

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0\*1 + 1\*2 + 0\*4 + 1\*8

0 + 2 + 0 + 8 = 10