

BASICS OF JAVA

• First Code Line

→ `Public class classname.`

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NOTES GALLERY (TELEGRAM).

• The Main Method

→ `public static void main ()`.

• Print text

→ `System.out.println ("Hello World") ;`

• Data types

→ `int, char, float, double, void, bool.`

• Comments

→ `// single line comments`

`/* Multiline
comment`

`text / *`

• Arithmetic operators

→ `+` (Addition), `-` (Subtraction), `*` (Multiplication), `/` (division)

• Relational Operators

→ `< =` (less than or equal to), `<` (less than), `>` (greater than), `> =` (greater than or equal to), `==` (equal to).

- Logical Operator

→ // (logical OR), & & (logical AND), ! (logical NOT).

- For Loop

→ For (statement 1; statement 2; statement 3)

- While Loop

→ While (condition)

{

// code block.

}

- If - else

→ if (condition)

{

// code of true condition.

}

else

{

// code of false condition.

}

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- Arrays

→ // declare array

string[] cars;

// Array of Integers

int[] my Num = {10, 20, 30, 40}.

• Switch

→ switch (expression) {

case value 1 :

// code to be executed

break;

case value 2 :

break;

// continue

default :

// code to be executed if all the cases are not matched.

}

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• File Methods

→

1. canRead ()
2. createNewFile ()
3. canWrite ()
4. exists ()
5. getName ()
6. Delete ()
7. getAbsolutePath ()
8. length ()
9. list ()
10. mkdir ()

• Create a class

→ // a class with name "main" with variable x.

public class main {

int x = 5;

}

• Create an Object

→ // Object will be create of name "myobj".

```
public class main {  
    int x = 5;  
    public static void main (String [] args)  
    {  
        Main myobj = new main ();  
        System.out.println (myobj.x);  
    }  
}
```

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• I/O Operators

1. System.out : standard output stream.
2. System.in : Standard input stream.
3. System.err : standard error stream.