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| Course- BTech | Type- Core |
| Course Code- **CSET109** | Course Name- **Object Oriented Programming Using Java** |
| Year- First | Semester- Even Batch- BTech 2nd Semester |

**Tutorial-1**

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| **Tutorial No.** | **Name** | **CO1** | **CO2** | **CO3** |
| **1** | **Basics** |  | **--** | **--** |

**Objective:** The main objective of this tutorial is to learn about the basics of Java language.

1. **Discuss Online Compilers**
   1. [**www.onlinegdb.com**](http://www.onlinegdb.com/)
2. **Discussion about available Offline IDE**
   1. **Eclipse**
   2. **Netbeans**
   3. **IntelliJ IDEA**
3. **Installation of Netbeans/eclipse**
4. **Setting up Path**
5. **Writing First Program**
   1. What will be the Output of the below code: public class A {

public static void main(String[] args)

{

System.out.println(“j” + “a” + “v” + “a”);

}

}

* 1. What will be the Output of the below code:

public class A {

public static void main(String[] args)

{

int $\_ = 5;

}

}

* 1. What will be the output of the following program?

public class Test {

public static void main(String[] args)

{

int x = 2, y = 5;

int exp1 = (x \* y / x); int exp2 = (x \* (y / x));

System.out.println(exp1); System.out.println(exp2);

}

}

* 1. What is the result of the following code?

public class Test {

public static void main(String[] args)

{

double exp1 = (3.0 \* 2 / 4);

int exp2 = (3 \* -2 % 4);

System.out.println(exp1); System.out.println(exp2);

}

}

* 1. What is the output of following code?

public class Test {

public static void main(String[] args)

{

int x = 9, y = 12, z = 3;

int exp1 = x - y/3 + z \* 2 - 1;

int exp2 = (x - y)/3 + ((z \* 2) - 1);

System.out.println(exp1); System.out.println(exp2);

}

}

* 1. Is the arithmetic expression valid? If yes, what is the output of the following expression? public class Test {

public static void main(String[] args)

{

int x = 9, y = 12;

int a = 2, b = 4, c = 6;

int exp = (3 + 4 \* x)/5 - 10 \* (y - 5) \* (a + b + c)/x + 9 \* (4/x + (9 + x)/y);

System.out.println(exp);

}

}

* 1. What would be the result of the following arithmetic expression?

public class Test {

public static void main(String[] args)

{

int x = 9, y = 12;

int a = 2, b = 4, c = 6;

int exp = 4/3 \* (x + 34) + 9 \* (a + b \* c) + (3 + y \* (2 + a)) / (a + b\*y);

System.out.println(exp);

}

}

* 1. What will be the output of the following program?

public class Test {

public static void main(String[] args)

{

int x = 9, y = 12; int a = 2, b = 4;

boolean exp = 4/3 \* (x + 34) < 9 \* (3 + y \* (2 + a)) / (a + b\*y); System.out.println(exp);

}

}