**PRACTICAL – 3**

**Aim:**

|  |
| --- |
| **Write a console program to declare and initialize a double variable with some value such as 1234.5678. Then retrieve the integral part of the value and store it in a variable of type long, and the first four digits of the fractional part and store them in an integer of type short. Display the value of the double variable by outputting the two values stored as integers.** |

**SOURCE CODE:**

class Practical3 {

    public static *void* main(String[] *args*) {

*double* d = 1234.5678;

*long* y = (*long*) (d);

*short* s;

        System.out.println(y);

        s = (*short*) ((d - y) \* 10000);

        System.out.println(s);

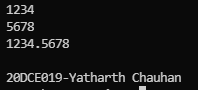
        System.out.println(y + "." + s);

        System.out.println("\n20DCE019-Yatharth Chauhan");

    }

}

**OUTPUT:**

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**Conclusion:**

* We learnt type conversion in JAVA and used

“+” operator to concatenate two words/strings.

* In this practical we have stored the value in double variable and then by taking the modulo and adding the long variable we store the variable as short and try to the value of it.