DEPARTMENT OF COMPUTER APPLICATIONS
BHILAI INSTITUTE OF TECHNOLOGY, DURG
MCA-2ND SEMESTER
SUBJECT: JAVA PROGRAMMING

ASSIGNMENTS

1. Explain the following terms of Object Oriented Programming with an example

    a. Data Abstraction

    b. Class

    c. Object

    d. Encapsulation

    e. Inheritance

    f. Polymorphism

2. Justify with a suitable example that JAVA is a platform-independent language.

3. Justify your answer with an example code that JAVA String class objects are immutable.

4. How the method **overloading** is different from method **overriding**? Justify your answer with an example.

5. **Why the public** variables violate the principle of encapsulation in oops concept? Justify your answer with some example code.

6. Describe the significance of **protected** modifier in inheritance with an example code.

7. How the **private** modifier is different from **protected** modifier? Give some example to justify your answer.

8. Write short notes on: (1) final (2) package (3) class path (4) StringBuffer