**Assignment – 1**

**(Data types, Variables and Assignment)**

Q1. Write a simple Java program to print three characteristics of Object Oriented Programming like Java.

**Source Code:**

class Q1

{

public static void main(String args[])

{

System.out.println("Object");

System.out.println("Encapsulation");

System.out.println("Inheritance");

}

}

**OUTPUT**

**To Compile :** javac Q1.java

**To Run :** java Q1

**Output :** Object

Encapsulation

Inheritance

**Q2. Write a Java program to print a message “Welcome (Your name here) to Java Programming”, where your name is stored in a variable.**

**CODE**

class Q2

{

public static void main(String args[])

{

String name = "Neogi";

System.out.println("Welcome "+name+" to JAVA Programming ");

}

}

**OUTPUT**

**To Compile : javac Q2.java**

**To Run : java Q2**

**Output : Welcome Neogi to JAVA Programming**

**Q3. Write a program to declare different variables of different data types used in Java and also show the values that you have**

**assigned.**

**CODE**

class Q3

{

public static void main(String args[])

{

int roll = 1499;

String name = "Neogi";

float per = 86.5f;

System.out.println("My name is "+name+" ");

System.out.println("My roll number is "+roll+" ");

System.out.println("I secured "+per+" percentage in graduation");

}

}

**OUTPUT**

To Compile : javac Q3.java

To Run : java Q3

Output : My name is Neogi

My roll number is 1499

I secured 86.5 percentage in graduation

**Q4. Declare two integer variables then apply +, -, \*, /, % operations.**

**Also declare suitable variable to store the result.**

**Source Code:**

class Q4

{

public static void main(String args[])

{

int a = 5, b = 4;

int sum=a+b;

int sub=a-b;

int mul=a\*b;

int div=a/b;

int mod=a%b;

System.out.println("Sum of two integers: " +sum);

System.out.println("Subtraction of two integers: " +sub);

System.out.println("Multiplication of two integers: " +mul);

System.out.println("Division of two integers: " +div);

System.out.println("Mod of two integers: " +mod);

}

}

**OUTPUT:**

To Compile : javac Q4.java

To Run : java Q4

Output : Sum of two integers: 9

Subtraction of two integers: 1

Multiplication of two integers: 20

Division of two integers: 1

Mod of two integers: 1