Assignment 3

1)

public class widening {

public static void main(String[] args) {

int intValue = 10;

double doubleValue = intValue;

System.out.println("Original int value: " + intValue);

System.out.println("Widened double value: " + doubleValue);

}

}

............................................................................

2)

public class narrowing {

public static void main(String[] args) {

double doubleValue = 1234.5678;

int intValue = (int) doubleValue;

System.out.println("Original double value: " + doubleValue);

System.out.println("Narrowed int value: " + intValue);

}

}

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3)

public class WideningConversionDemo {

public static void main(String[] args) {

int intValue = 5;

double doubleValue; = 10.5;

float floatValue= 3.5f;

double result1 = intValue + doubleValue;

float result2 = floatValue \* intValue;

double result3 = doubleValue / floatValue;

System.out.println("Result of int + double: " + result1);

System.out.println("Result of float \* int: " + result2);

System.out.println("Result of double / float: " + result3);

}

}

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4)

public class WideningConversionDemo {

public static void main(String[] args) {

int intValue = 42;

double doubleValue = intValue;

float floatValue = intValue;

boolean booleanValue = (intValue != 0);

String stringValue = String.valueOf(intValue);

System.out.println("Widening conversion from int to double: " + doubleValue);

System.out.println("Widening conversion from int to float: " + floatValue);

System.out.println("Widening conversion from int to boolean: " + booleanValue);

System.out.println("Widening conversion from int to String: " + stringValue);

}

}