class assign3\_q1 {

public static void main(String[] args) {

int intValue = 10;

double doubleValue = intValue; // Widening conversion from int to double

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

System.out.println("Double value after widening conversion: " + doubleValue);

}

}

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import java.util.Scanner;

class assign3\_q2 {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

System.out.print("Enter a double value: ");

double doubleValue = scanner.nextDouble();

int intValue = (int) doubleValue; // Narrowing conversion

System.out.println("Original Double Value: " + doubleValue);

System.out.println("Narrowed Integer Value: " + intValue);

}

}

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class assign3\_q3{

public static void main(String[] args) {

int numInt = 10;

double numDouble = 5.5;

float numFloat = 3.5f;

// Widening conversion of int to double

double result1 = numInt + numDouble;

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

// Widening conversion of int to float

float result2 = numInt + numFloat;

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

// Widening conversion of float to double

double result3 = numFloat + numDouble;

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

}

}

------------------------------------------------------------------------------------------------------------------------

class assign3\_q4{

public static void main(String[] args) {

int intValue = 10;

// Widening conversion to double

double doubleValue = intValue;

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

// Widening conversion to float

float floatValue = intValue;

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

// Widening conversion to boolean

boolean booleanValue = intValue != 0;

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

// Widening conversion to String

String stringValue = Integer.toString(intValue);

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

}

}

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