***Assignment - 4***

1. Write a program that demonstrates widening conversion from int to double and prints the result.

Ans = public class Program {

public static void main(String[] args) {

// **TODO** Auto-generated method stub

int a = 10;

double res = a;

System.***out***.println(res);

}

}

1. Create a program that demonstrates narrowing conversion from double to int and prints the result.

Ans= public class Program {

public static void main(String[] args) {

// **TODO** Auto-generated method stub

double a = 10.25d;

int res = (int)(a);

System.***out***.println(res);

}

}

1. Write a program that performs arithmetic operations involving different data types (int, double, float) and observes how Java handles widening conversions automatically.

Ans= public class Program {

public static void main(String[] args) {

// **TODO** Auto-generated method stub

double a = 10.25d;

int b = 20;

float c= 5.6f;

System.***out***.println(a+b);

System.***out***.println(c+b);

System.***out***.println(a\*b);

System.***out***.println(b/a);

}

}

1. Write a Program that demonstrates widening conversion from int to (double,float, boolean, string) and prints the result.

Ans = public class Program {

public static void main(String[] args) {

// **TODO** Auto-generated method stub

int b = 20;

double res1= b;

float res2 = b;

String res4 = Integer.*toString*(b);

System.***out***.println(res1);

System.***out***.println(res2);

System.***out***.println(res4);

}

}