CDAC Mumbai PG-DAC

MARCH 24

Assignment No- 3

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

```
Public static void main(String[] args)
{
 int iNo = 2147383647;
double dNo= iNo;
System.out.println("Integer : "+iNo);
System.out.println("Double : "+dNo);
}
```

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

```
Public static void main(String[] args)
{
double dNo= 134.7d;
int iNo = (int)dNo;
System.out.println("Integer : "+iNo);
System.out.println("Double Number : "+dNo);
}
```

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

```
 Public static void main(String[] args)
{
 int iNo= 21;
 double dNo= 300.4d;
 float fNo=3.4f;

 Addition=(int)dNo+iNo;
 Substraction=iNo-(int)fNo;
 Multiplication=(float)dNo*fNo;
 Division=iNo/(int)fNo;

 System.out.println("Addition of Integer and double : "+Substraction);
 System.out.println("Substraction of Integer and float : "+Addition);
 System.out.println(" Multiplication of double and float : "+Multiplication);
 System.out.println("Division of Integer and double : "+Division);
 }
```

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

```java
Public static void main(String[] args)
{
 int iNo = 2147383647;
double dNo= iNo;
float fNo = iNo;

//boolean booleanValue =iNo //Not ok
//String str= String.Valueof (iNo)

System.out.println("Integer : "+iNo);
System.out.println("Double : "+dNo);
System.out.println("float : "+fNo);
System.out.println("String : "+str);


}
```