**Practical no.-**15 and 16

**Title:**Write a program for implementation of Wrapper Class to convert Primitive into object and object into primitive.

**Roll No.:** 24 **Batch-** A **Date of Performance:** 12-March-2023

**Code:-**

public class WrapperExample

{

public static void main(String args[]){

byte b=10;

short s=20989;

int i=306478;

long l=40789675;

float f=508.055F;

double d=60356.009789D;

//char c='a';

boolean b2=false;

//Autoboxing: Converting primitives into objects

Byte byteobj=b;

Short shortobj=s;

Integer intobj=i;

Long longobj=l;

Float floatobj=f;

Double doubleobj=d;

//Character charobj=c;

Boolean boolobj=b2;

//Printing objects

System.out.println("---Printing object values---");

System.out.println("Byte object: "+byteobj);

System.out.println("Short object: "+shortobj);

System.out.println("Integer object: "+intobj);

System.out.println("Long object: "+longobj);

System.out.println("Float object: "+floatobj);

System.out.println("Double object: "+doubleobj);

//System.out.println("Character object: "+charobj);

System.out.println("Boolean object: "+boolobj);

//Unboxing: Converting Objects to Primitives

byte bytevalue=byteobj;

short shortvalue=shortobj;

int intvalue=intobj;

long longvalue=longobj;

float floatvalue=floatobj;

double doublevalue=doubleobj;

//char charvalue=charobj;

boolean boolvalue=boolobj;

//Printing primitives

System.out.println("---Printing primitive values---");

System.out.println("byte value: "+bytevalue);

System.out.println("short value: "+shortvalue);

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

System.out.println("long value: "+longvalue);

System.out.println("float value: "+floatvalue);

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

// System.out.println("char value: "+charvalue);

System.out.println("boolean value: "+boolvalue);

}

}

**Output-**

Microsoft Windows [Version 10.0.21996.1]

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C:\Users\Test>D:

D:\>cd D:\Java\jdk-19\bin\SYCM-1\_15

D:\Java\jdk-19\bin\SYCM-1\_15>set path=D:\Java\jdk-19\bin

D:\Java\jdk-19\bin\SYCM-1\_15>javac WrapperExample.java

D:\Java\jdk-19\bin\SYCM-1\_15>java WrapperExample

---Printing object values---

Byte object: 10

Short object: 20989

Integer object: 306478

Long object: 40789675

Float object: 508.055

Double object: 60356.009789

Boolean object: false

---Printing primitive values---

byte value: 10

short value: 20989

int value: 306478

long value: 40789675

float value: 508.055

double value: 60356.009789

boolean value: false