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\* Class: IST 110C

\* Assignment: Lab 1

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**import** java.util.Scanner;

**public** **class** lab1. {

**public** **static** **void** main(String[] args) {

**byte** b = 'P';

**short** s = 15;

**int** i = 9;

**long** l = 12;

**float** f = 58;

**double** d = 3.14;

**char** m = 'a';

String S = "Hello ";

**boolean** b = **false**;

Object O = **new** Object();

System.***out***.format("\*\*\*\* Part1: \*\*\*\*\n");

System.***out***.println("Byte = " + b);

System.***out***.println("Short = " + s);

System.***out***.println("Int = " + i);

System.***out***.println("Long = " + l);

System.***out***.println("Float = " + f);

System.***out***.println("Double = " + d);

System.***out***.println("Char = " + m);

System.***out***.println("String = " + s);

System.***out***.println("Boolean = " + b);

System.***out***.println("New Object = " + o);

System.***out***.format("\n\n\*\*\*\* Part2: \*\*\*\*\n");

Scanner input = **new** Scanner (System.***in***);

System.***out***.print("Enter a byte: ");

b = input.nextByte();

System.***out***.printf("Byte = %c\n", b);

System.***out***.print("Enter a int: ");

i = input.nextInt();

System.***out***.printf("Int = %d", i);

System.***out***.print("Enter a short: ");

s = input.nextShort();

System.***out***.printf("Short = %d", s);

System.***out***.print("Enter a long: ");

l = input.nextLong();

System.***out***.printf("Long = %d", l);

System.***out***.print("Enter a float: ");

f = input.nextFloat();

System.***out***.printf("Float = %.2f\n", f);

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

d = input.nextDouble();

System.***out***.printf("Double = %f", d);

System.***out***.print("Enter a char: ");

m = input.nextChar();

System.***out***.printf("Char = %c", m);

System.***out***.print("Enter a string: ");

s = input.nextString();

System.***out***.printf("String = string %s", s);

System.***out***.print("Enter a boolean: ");

b = input.nextBoolean();

System.***out***.printf("Boolean = %b", b);

System.***out***.print("Enter a Object: ");

o = input.nextObjecty();

System.***out***.printf("Object = %s", o);

}

}

\*\*\*\* Part1: \*\*\*\*

Byte = 80

Short = 15

Int = 9

Long = 12

Float = 58.0

Double = 3.14

Char = a

String = 15

Boolean = 80

New Object

\*\*\*\* Part2: \*\*\*\*

Enter a byte: 1

Byte =

Enter a int: 1

Int = 1Enter a short: 1

Short = 1Enter a long: 1

Long = 1Enter a float: 1

Float = 1.00

Enter a double: 1

Double = 1.000000Enter a string: String = string java.util.Scanner[delimiters=\p{javaWhitespace}+][position=16][match valid=true][need input=false][source closed=false][skipped=false][group separator=\x{2c}][decimal separator=\x{2e}][positive prefix=][negative prefix=\Q-\E][positive suffix=][negative suffix=][NaN string=\QNaN\E][infinity string=\Q∞\E]Enter a boolean: 1

Exception in thread "main" java.util.InputMismatchException

at java.base/java.util.Scanner.throwFor(Scanner.java:939)

at java.base/java.util.Scanner.next(Scanner.java:1594)

at java.base/java.util.Scanner.nextBoolean(Scanner.java:1893)

at Lab1.main(Lab1.java:67)