Technical Assignment-1

Case 1:

Parse the give command line and display in the below format

**Program: Parser.java**

**package** work;

**public** **class** Parser {

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

// Ingeneral java has primitive datatypes,sizeof command is not worked in Java

**for** (**int** n = 0; n < args.length; n++) {

**try** {

**int** a = Integer.*parseInt*(args[n]); // converts string to integer

System.***out***.println(a + " Integer " + Integer.***SIZE*** / 8); // prints Integer

} **catch** (NumberFormatException ne) {

**try** {

**float** b = Float.*parseFloat*(args[n]); // converts string to float

System.***out***.println(b + " Float/double " + Float.***SIZE*** / 8); // prints Float/double

} **catch** (Exception e) {

**if** (args[n].length() == 1) {

System.***out***.println(args[n] + " Char " + Character.***SIZE*** / 8); // prints Character

} **else** {

System.***out***.println(args[n] + " String " + args[n].length()); // prints String

// String is non-primitive datatype so default size is not specified here.

}

}

}

}

}

}

Output:

