Buffered Reader

Buffered Reader is an alternate method of taking input from the user using keyboard.

Syntax:

Create a BufferedReader

In order to create a buffered reader, we will import the java.io.BufferedReader package first. After importing we have to import one more package that is InputStreamReader.

Then you have to create buffered reader and object creation.

Object Creation

InputStreamReader irs=new InputStreamReader (system.in)

To create buffered Reader

BufferReader br = new BufferReader(irs)

We can also write it as below

BufferReader br = new BufferReader(new InputStreamReader (System.in)

For interger

```
int n = Integer.parseInt(br.nextLine());
```

For long

```
long n = Integer.parseInt(br.nextLine());
```

For float

```
float n = Float.parsefloat(br.nextLine());
```

For double

```
double n = Float.parsefloat(br.nextLine());
```

For String

```
String n = br.nextLine();
```

For boolean

```
boolean n = Boolean.parseboolean(br.nextLine());
```

Example:

```java
package methods;
import java.io.BufferedReader;
import java.io.IOException;
import java.io.InputStreamReader;

public class BufferRead {

    public static void main(String[] args) throws NumberFormatException, IOException {
        // TODO Auto-generated method stub
        System.out.println("Enter age: ");

        InputStreamReader isr =new InputStreamReader(System.in);
        BufferedReader br = new BufferedReader(isr);
        int n = Integer.parseInt(br.readLine());
        System.out.println("Your age is "+n);
        System.out.println("Enter name ");
        String s = br.readLine();
        System.out.println("Your name is "+s);
        System.out.println("your percentage: ");
        float f=Float.parseFloat(br.readLine() );
        System.out.println("Your name is "+f);
        System.out.println("your height: ");
        double d=Float.parseFloat(br.readLine() );
        System.out.println("Your name is "+d);
        System.out.println("your marks: ");
        long l=Integer.parseInt(br.readLine());
        System.out.println("Your name is "+l);
        System.out.println("Are you married: ");
        boolean b=Boolean.parseBoolean(br.readLine() );
        System.out.println(b+" is your marital status");
    }
}
```

Output:

```
Console ×
<terminated> BufferRead [Java Application] C:\Program Files\Java
Enter age:
22
Your age is 22
Enter name
anu
Your name is anu
your percentage:
23.4
Your name is 23.4
your height:
5.6
Your name is 5.599999904632568
your percentage:
234567
Your name is 234567
Are you married:
false
falseis your marital status
```