



Assignment-6

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Topic : Buffered Reader

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

```
BufferedReader br = new BufferedReader(irs)
```

We can also write it as below

```
BufferedReader br = new BufferedReader(new  
InputStreamReader (System.in)
```

For integer

```
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:

```
Package Explorer  type1.java  type2.java  type3.java  type4.java  Buffer.java  *BufferRead.java ×
1 package methods;
2 import java.io.BufferedReader;
3 import java.io.IOException;
4 import java.io.InputStreamReader;
5
6 public class BufferRead {
7
8     public static void main(String[] args) throws NumberFormatException, IOException {
9         // TODO Auto-generated method stub
10        System.out.println("Enter age: ");
11
12        InputStreamReader isr = new InputStreamReader(System.in);
13        BufferedReader br = new BufferedReader(isr);
14        int n = Integer.parseInt(br.readLine());
15        System.out.println("Your age is "+n);
16        System.out.println("Enter name ");
17        String s = br.readLine();
18        System.out.println("Your name is "+s);
19        System.out.println("your percentage: ");
20        float f = Float.parseFloat(br.readLine());
21        System.out.println("Your name is "+f);
22        System.out.println("your height: ");
23        double d = Float.parseFloat(br.readLine());
24        System.out.println("Your name is "+d);
25        System.out.println("your marks: ");
26        long l = Integer.parseInt(br.readLine());
27        System.out.println("Your name is "+l);
28        System.out.println("Are you married: ");
29        boolean b = Boolean.parseBoolean(br.readLine());
30        System.out.println(b+" is your marital status");
31    }
32
33 }
34
```

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
false is your marital status
```