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Thread: [java.lang.ClassCastException: java.lang.String cannot be cast to java.lang.Float.](#)

President Holy - February 6, 2014, 7:21 pm

How would I cast a String to a Float?

In my java program, i am reading from a file (writing is really easy). I am reading stuff like:

```
reach.distance:2.0
bot.speed:true
killaura.silent:true
clone.copy:true
clone.mode:5.7
bot.name:Hi There Bro
spammer.message:Sup my lil' awesome puppet ;)
```

So, anyone know how to cast a string to a float?

SIM-2015410 - February 6, 2014, 7:46 pm

Use parseFloat, like this:

```
Code float float1 = Float.parseFloat(string1);
```

?Serendipity - February 6, 2014, 11:46 pm

Just to add to the above. You will most likely want to put your parse float into a try catch.

Knautschtabak - February 8, 2014, 10:48 am

Since you are already reading these as strings, I suggest you convert the string to double containing the floating point number instead of parsing as float/double right away (that approach will save you some trouble people often get while mixing string and primitive value parsing from command line).

You should use double instead of float as your datatype. There are really only very few occasions where you actually need the float data type.

```
Code String text = "5.89"
double value = Double.parseDouble(text);
```