

How to convert a String value into corresponding integer type :

If we want to convert any String value into corresponding int type then Java software people has provided a predefined class called Integer class available in java.lang package.

This Integer class contains a predefined static method called parseInt(String x) through which we can convert a String value into corresponding int type.

```
public class Integer
{
    public static int parseInt(String x)
    {
        //convert this String value x into int type of value
        return int value;
    }
}

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{
    public static int parseInt(String x)
    {
        //convert this String value
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    }
}

public class Main
{
    public static void main(String [] args)
    {
        String a = "123";
        int b = Integer.parseInt(a);
    }
}
```

The diagram illustrates the conversion of a String value to an integer. It shows two versions of the Integer class and a Main class. The first Integer class (top left) has a comment: "//convert this String value x into int type of value". The second Integer class (bottom left) has a comment: "//convert this String value x into int type of value". The Main class (right) has a main method that creates a String a = "123" and an int b = Integer.parseInt(a). A green arrow labeled "123" points from the String a in the Main class to the parseInt method in the first Integer class. Another green arrow labeled "123" points from the parseInt method in the second Integer class to the parseInt method in the first Integer class.