

# orxSTRINGs, strings and chars

Orx has orxSTRINGs and a nice bunch of functions for performing all sorts of string tricks. Lots of orx functions require an orxSTRING type as a parameter, and so it's important to know how to get other string types like char arrays and STL strings (std::string) into orxSTRING format.

## char[] to orxSTRING

```
char someCharArray[] = "Honey Bees";  
  
orxSTRING anOrxString = someCharArray;
```

## std::string to orxSTRING

```
std::string pieceOfString = "Honey Bees";  
  
orxSTRING anOrxString = (orxCHAR*)pieceOfString.c_str();
```

## std::stringstream to orxSTRING

```
std::stringstream aStringStream;  
aStringStream << "Letters " << 1 << " and numbers " << 999;  
std::string pieceOfString = aStringStream.str();  
  
orxSTRING anOrxString = (orxCHAR*)pieceOfString.c_str();
```

## orxSTRING to std::string

```
const orxSTRING orxStr = orxObject_GetName(someObject);  
  
std::string pieceOfString = orxStr;
```

Conversion isn't always necessary, but sometimes you do need to. So this is a handy reference to keep around.

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