

# HandleBars 1

## Install handlebars and require it

```
const hbs = require('hbs');
```

## Set handlebars as view engine

```
app.set('view engine', 'hbs');
```

```
//to use templates make a folder call views  
//views is a default directory that express uses for templates  
//to create pages inside views give extension as hbs like about.hbs
```

## Displaying template page

```
app.get('/about', (req, res) => {  
  //res.render is used to display page by default it uses view folder  
  //first arg to res.render is file name and second arg is data to pass  
  // in object key value pair  
  res.render('about.hbs', {  
    title: 'My About Page',  
    year: new Date().getFullYear()  
  });  
});
```

## View passed info inside template

```
<h1>{{title}}</h1>  
  
//Use Mustach syntax
```

## Partials

```
//Partials are like templates of templates  
//If we have footer template in all pages but when we change something in footer  
//we have to change template on each page footer  
//Instead we will create a file with footer.hbs and include that file in each file  
//so when we need any changes, we can just chang that footer in one place
```

## Register partials

```
//To use partials we have to register partials with directory directoryname  
//where we are going to save Partials  
//note that we should register partials  
before app.set('view engine', hbs);
```

```
hbs.registerPartials(__dirname + '/views/partials');
```

```
//Now Create folder partials inside view
```

## Creating partial page

```
//Create header.hbs inside partial folder
```

```
<header>
<h1>This is a HEADER of this page</h1>
<h1>My name is {{getName}}</h1>
<h1>My name in caps {{upper msg}}</h1>
<p><a href = "/">Home</a></p>
<p><a href = "/about">About</a></p>

</header>
```

```
//note that {{getName}} is an helper here
```

## Using partial page inside main template page

```
//Inside view folder for eg in home page if we want to use partial we can do so by
```

```
{{> header}}
```

## Helper functions

```
const express = require('express');
const hbs = require('hbs');

var app = express();
hbs.registerPartials(__dirname + '/views/partials');

app.set('view engine', 'hbs');
//Helpers are functions that we can use same way as data like {{getName}}
hbs.registerHelper('getName', () => {
  return 'Akash';
});
//Helpers with functions having arg
//when calling it use {{upper msg}} where msg is variable name set
//in res.render method
hbs.registerHelper('upper', (text) => {
  return text.toUpperCase();
})
```

```
app.get('/about',(req,res) => {  
  
  res.render('about.hbs',{  
    msg: 'Akash',  
    title: 'My About Page',  
    year: new Date().getFullYear()  
  });  
});
```