

*Sass*



*By*  
*Vijay Shivakumar*



**CERTIFIED EXPERT**  
Flex® with AIR



# Getting Started

**Ruby Installer from  
[www.rubyinstaller.org/downloads](http://www.rubyinstaller.org/downloads)**

## **SCSS v/s SASS**

**in scss the syntaxes are similar to css**

**in sass the syntaxes you should not add  
curly braces & semicolons**



# Variables in SASS

|         |   |
|---------|---|
| numbers | <code>\$myNum: 10px , 1em, .25in</code>               |
| strings | <code>\$myName: "your product name"</code>            |
| color   | <code>\$myFavCol: blue</code>                         |
| boolean | <code>\$myTruth: false</code>                         |
| nulls   | <code>\$myVar: null</code>                            |
| lists   | <code>\$myList: 2px solid red, 2px 1px 5px 0px</code> |



# Nesting in SASS

```
.mainBox{  
  width:450px;
```

---

```
.subBox{  
  width:100px;
```

---

```
    &:hover{  
      background-color:orange;  
    }
```

---

```
  }
```

```
}
```



## What Are Mixins ?

**Allows us to create common properties once and re-use them when needed**





# Mixins in SASS

declared mixins with “@mixin”  
later use them with “@include”

```
@mixin commonBdrPad{  
  border: 2px solid red;  
  padding: 10px;  
}
```

```
.boxer1{  
  @include commonBdrPad;  
  font-size:14px;  
}
```

```
.boxer2{  
  @include commonBdrPad;  
  font-size:24px;  
}
```



# Operators in SASS

## add

```
$initialColor = #ff0000;  
$initialColor + #00ff00;
```

## subtract

```
$initialValue = 10px;  
$initialValue - 5;
```

## multiply

```
$initialValue = 10px;  
$initialValue * 2;
```

## division

```
$initialVal = 10;  
$ initialVal / 2;
```

## expression

```
$initialVal = 10px;  
border-width : ($initialVal + 50)/6;
```

## condition

```
$user : admin;  
$color : if ($user == 'admin', #ff0000,  
            #00ff00)
```



# Advanced mixins in SASS

```
@mixin commonBdrPad( $width, $style, $col ){  
  border: $width $style $col ;  
  padding: $width*5;  
}
```





## Partials

Create a sass or scss file

The underscore prefix will instruct the compiler not to compile that file to css

Now you can

`@include "_fileName"`

(note: the file is called `_fileName.scss` and is in the same location)



**Thank you**

**[vijay.shivu@gmail.com](mailto:vijay.shivu@gmail.com)**