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# CSS

## SOLUTIONS

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## CSS SOLUTIONS

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Possible solutions for the [CSS exercises](#).

### 1.1

```
/* header */
```

```
body > header {  
  background-color: #046dd5;  
  color: white;
```

```
  padding: 1em;  
}
```

```
body > header h1, body > header h2{  
  margin: 0;  
}
```

```
body > header a {  
  color: white;  
  text-decoration: none;  
}
```

```
body > header #signup a:first-child {  
  border-right: 1px solid white;  
}
```

```
body > header #signup a {  
  padding: 0 1em;  
}
```

```
body > header #signup a:first-child {
```

```
padding-left: 0;
}

/* navigation */

#menu ul {
  margin: 0;
  padding: 0;
}

#menu li {
  background-color: white;
  text-align: center;

  list-style-type: none;

  padding: 1em 0;
}

#menu li a{
  color: black;
  text-decoration: none;
}

#menu li:hover {
  background-color: #2a2f33;
}

#menu li:hover a{
  color: white;
}

#hamburger, .hamburger {
  display: none;
}

/* article */

#news header {
  max-width: 10em;
  padding: 1em;
  position: absolute;
}

#news header h1{
```

```
margin: 0;

text-shadow: .2em .2em .2em black;
}

#news header a{
  color: white;
  text-decoration: none;
}

#news img {
  width: 100%;
}

#news > article {
  background-color: white;

  margin: 1em 1em 1em 0;
}

#news > article > p{
  padding: 0 1em;
}

#news > article > p:first-of-type:first-letter{
  font-size: 2em;
}

#news footer {
  color: white;
  background-color: #f4655f;

  padding: 1em;
}

#news footer a{
  color: white;
  text-decoration: none;
  border-bottom: 1px solid white;
  padding-bottom: 2px;
}

#news footer .tags {
  margin-right: 1em;
}
```

```
#news footer .comments {
  margin-left: 1em;
}

#news footer .comments:after {
  content: ' comments';
}

#news footer .author:before{
  content: "By ";
}

/* related */

#related {
  background-color: #2a2f33;

  padding: 1em;
}

#related h1 a {
  color: white;
  text-decoration: none;
}

#related p {
  color: white;
}

/* footer */

body > footer {
  background-color: #2a2f33;
  color: white;

  padding: 1em;
  margin-right: 1em;

  height: 1em;
}

body > footer p {
  margin: 0;
}
```

```
/* fonts */

body {
  font-family: 'Verdana', sans-serif;
}

p {
  font-family: "Georgia", serif;
  line-height: 1.4em;
}

header h2 {
  font-size: 1em;
}

header a {
  font-size: 0.8em;
}

#news header {
  font-size: 1.5em;
}

#news footer {
  font-size: 0.8em;
}

/* section colors */

#menu li:nth-child(1) {
  border-top: 5px solid #e1493e;
}

#menu li:nth-child(2) {
  border-top: 5px solid #8aba56;
}

#menu li:nth-child(3) {
  border-top: 5px solid #5b4282;
}

#menu li:nth-child(4) {
  border-top: 5px solid #ff8932;
}
```

```
#menu li:nth-child(5) {  
  border-top: 5px solid #19b6e9;  
}
```

```
#menu li:nth-child(6) {  
  border-top: 5px solid #e84c8b;  
}
```

## 1.2

```
/* main layout */  
  
body {  
  background-color: #edeff0;  
  
  margin: 0 auto;  
  width: 60em;  
  
  display: grid;  
  grid-template-columns: [start] 4fr [middle] 1fr [end];  
  grid-template-rows: [start] auto [nav] auto [news] 1fr [footer] auto  
[end];  
}  
  
body > header {  
  grid-column: start / end;  
}  
  
#menu {  
  grid-column: start;  
}  
  
aside {  
  grid-column: middle;  
  grid-row: nav / end;  
}  
  
#news {  
  grid-column: start;  
}  
  
body > footer {
```

```
    align-self: end;
}

/* header layout */

body > header {
    display: grid;
    grid-template-columns: 1fr auto;
    grid-template-rows: auto auto;
}

body > header h1 {
    grid-column: 1;
    grid-row: 1;
}

body > header h2 {
    grid-column: 1;
    grid-row: 2;
}

body > header #signup {
    grid-column: 2;
    grid-row: 2;
}

/* navigation layout */

#menu ul {
    display: flex;
    flex-direction: row;
}

#menu li {
    display: block;
    flex: 1;
}

/* article footer layout */

#news footer {
    display: flex;
}

#news footer .author {
```

```
flex-grow: 1;
}
```

### 1.3

```
/* responsive */

@media (max-width: 60em) {
  body{
    width: 100%;
    grid-template-columns: [start] 4fr [end];
    grid-template-rows: [start] auto [nav] auto [news] auto [footer]
auto [end];
  }

  #news article {
    margin: 0 0 1em;
  }

  #related {
    display: none;
  }

  body > footer {
    margin: 0;
  }
}

@media (max-width: 30em) {
  body > header {
    display: block;
  }

  body > header h1 {
    font-size: 1.5em;
  }

  body > header h2 {
    display: none;
  }
}
```



```
#menu .hamburger {
  display: block;
  background-color: #2a2f33;
  color: white;
  padding: 1em;
}

#menu .hamburger:before {
  content: '\2630';
}

#menu ul {
  flex-direction: column;
  margin: 0;
  padding: 0;
  color: white;
}

#hamburger:checked + .hamburger + ul li {
  max-height: 1em;
  padding: 1em;
  opacity: 1;
}

#hamburger:checked + .hamburger:before {
  content: '\2715';
}

#menu li {
  max-height: 0;
  padding: 0 1em;
  background-color: #edeff0;
  text-align: left;
  opacity: 0;
  transition: all .3s ease-in-out;
}

#menu li:nth-child(1) {
  border-top: none;
  border-left: 5px solid #e1493e;
}

#menu li:nth-child(2) {
  border-top: none;
  border-left: 5px solid #8aba56;
```

```
}

#menu li:nth-child(3) {
  border-top: none;
  border-left: 5px solid #5b4282;
}

#menu li:nth-child(4) {
  border-top: none;
  border-left: 5px solid #ff8932;
}

#menu li:nth-child(5) {
  border-top: none;
  border-left: 5px solid #19b6e9;
}

#menu li:nth-child(6) {
  border-top: none;
  border-left: 5px solid #e84c8b;
}

#news .tags {
  display: none;
}

#news header {
  color: black;
  max-width: 100%;
  font-size: 1em;
  padding: 1em;
  position: static;
}

#news header h1 {
  text-shadow: none;
}

#news header a{
  color: black;
}
}
```

```
#comments {  
  margin: 1em;  
}  
  
#comments .user {  
  font-style: italic;  
}  
  
#comments .user:after {  
  font-style: normal;  
  content: ' said:';  
}  
  
#comments .date {  
  float: right;  
}  
  
#comments p {  
  background-color: #edeff0;  
  padding: 1em;  
}  
  
#comments p:before {  
  content: '\201C';  
  font-size: 3em;  
  position: relative;  
  top: 15px;  
  color: #ccc;  
}  
  
#comments form {  
  width: auto;  
  margin: 0;  
  background-color: #edeff0;  
}  
  
#comments input {  
  background-color: #edeff0;  
}  
  
#comments textarea {  
  display: block;
```

```
width: 100%;
height: 6em;
}

#comments input[type=submit] {
  width: auto;

  background-color: black;
  color: white;

  border: none;
  margin: 1em;
  padding: 1em;
  margin-left: auto;
}

#comments form h2 {
  font-size: 1em;
}
```

## 1.5

```
form {
  background-color: white;
  color: black;
  margin: 2em auto;
  width: 20em;
  padding: 1em;
}

label {
  padding: 1em;
}

label, input {
  display: block;
}

input {
  border: none;
  background-color: white;
  color: black;
  border-bottom: 1px solid black;
```

```
margin-top: 1em;
width: 100%;
font-size: 0.9em;
}

input[type=submit] {
  width: auto;

  background-color: black;
  color: white;

  border: none;
  margin: 1em;
  padding: 1em;
  margin-left: auto;
}

input:focus {
  outline: none;
  border-bottom: 1px solid #046dd5;
}

#register h1, #login h1 {
  text-align: center;
}

@media (max-width: 30em) {
  #register, #login {
    background-color: white;
  }
}
```

## 2.1

```
html {
  background-color: #ddddff;
}

body {
  width: 800px;
  margin: 0px auto;
  font-family: times, serif;
```

```
background-color: #ffffff;
}

h1, h2, h3 {
  font-family: verdana, sans-serif;
}

#header {
  background-color: #666666;
  color: #ffffff;
  padding: 20px;
}

#menu {
  background-color: #330000;
}

#menu a{
  color: #ffffff;
  text-decoration: none;
}

#menu ul {
  list-style-type: none;
  padding: 0;
  padding: 10px 0px;
  margin: 0px;
}

#menu li {
  display: inline;
  margin: 10px;
  display: inline;
  border-right: 1px solid #ffffff;
  padding-right: 10px;
  margin-right: 0;
}

#menu li:last-child {
  border: none;
}

#content {
  padding: 0 10px;
}
```

```
#content a {
  text-decoration: none;
}

#content h3 {
  font-size: 160%;
  margin: 10px 0;
}

#content img {
  float: left;
  padding: 0 10px 10px 0;
}

#content .introduction {
  font-style: italic;
}

#content .news-item {
  border-bottom: 1px solid black;
}

#content ul {
  list-style-type: none;
  padding: 0;
  padding: 10px 0px;
  margin: 0px;
}

#content li {
  display: inline;
  background-color: #333333;
  padding: 3px 10px;
}

#content li a {
  color: #ffffff;
  text-decoration: none;
}

#footer {
  padding: 0 10px;
}
```

## 2.2

```
html {  
  background-color: #000000;  
}  
  
body {  
  font-family: times, serif;  
  background-color: #ffffff;  
  margin: 0;  
  padding-left: 40px;  
  background-image: url(stripe.png);  
  background-repeat: repeat-y;  
}  
  
h1, h2, h3 {  
  font-family: georgia, serif;  
}  
  
#header {  
  background-color: #000000;  
  color: #ffffff;  
  padding: 20px;  
}  
  
#header h1, #header h2 {  
  margin: 0;  
}  
  
#header h2 {  
  font-size: 100%;  
}  
  
#menu {  
  background-color: #333333;  
}  
  
#menu a {  
  color: #000000;  
  text-decoration: none;  
}  
  
#menu ul {  
  list-style-type: none;
```



```
padding: 0;
padding: 10px 0px;
margin: 0px;
}

#menu li {
display: inline;
margin: 10px;
display: inline;
padding: 0 10px;
margin-right: 0;
background-color: #ffffff;
}

#content {
padding: 0 10px;
width: 800px;
}

#content a {
text-decoration: none;
color: #883333;
}

#content h3 {
font-size: 160%;
margin: 10px 0;
}

#content img {
float: right;
padding: 0 0 10px 10px;
}

#content .introduction {
font-style: italic;
}

#content .news-item {
border-bottom: 1px solid black;
}

#content ul {
list-style-type: none;
padding: 0;
```

```
padding: 3px 0px;
margin: 0px;
background-color: #333333;
}
```

```
#content li {
display: inline;
padding: 3px 10px;
}
```

```
#content li a {
color: #ffffff;
text-decoration: none;
}
```

```
#footer {
padding: 0;
text-align: right;
width: 800px;
}
```

## 2.3

```
html {
background-color: #dddfdf;
}
```

```
body {
width: 800px;
margin: 0px auto;
font-family: times, serif;
background-color: #669933;
}
```

```
h1, h2, h3 {
font-family: verdana, sans-serif;
}
```

```
#header {
background-color: #336699;
color: #ffffff;
padding: 20px;
position: relative;
```

```
}
```

```
#header h2 {  
  position: absolute;  
  top: 0; left: 0;  
  margin: 0; padding: 0;  
  
  text-align: center;  
  
  background-color: #336699;  
  padding: 10px 0;  
  width: 100%;  
  
  -webkit-transform-origin: 0 0;  
  -moz-transform-origin: 0 0;  
  -webkit-transform: rotate(90deg);  
  -moz-transform: rotate(90deg);  
}
```

```
#menu {  
  background-color: #669933;  
  float: right;  
  width: 200px;  
}
```

```
#menu a{  
  color: #ffffff;  
  text-decoration: none;  
}
```

```
#menu li {  
  list-style-type: none;  
  text-align: center;  
  padding: 20px;  
}
```

```
#menu ul {  
  width: 0px auto;  
  padding: 0;  
}
```

```
#content {  
  padding: 0 10px;  
  margin: 0;  
  margin-right: 200px;
```

```
background-color: #ffffff;
}

#content a {
  text-decoration: none;
}

#content h3 {
  font-size: 160%;
  margin: 0px 0;
  margin-bottom: 10px;
}

#content img {
  float: left;
  padding: 0 10px 10px 0;
}

#content .introduction {
  font-style: italic;
}

#content .news-item {
  border-bottom: 1px solid black;
}

#content ul {
  list-style-type: none;
  padding: 0;
  padding: 10px 0px;
  margin: 0px;
}

#content li {
  display: inline;
  border-bottom: 3px solid #996633;
  padding: 3px 10px;
}

#content li a {
  color: #333333;
  text-decoration: none;
}

#footer {
```

```
padding: 0 10px;
background-color: #ffffff;
}

#footer p {
margin: 0;
}
```

### 3.1

```
body {
display: flex;
flex-direction: row;
}

#orange {
flex-grow: 1;
}

section {
order: 3;
}

#yellow {
order: 1;
}

#red {
order: 2;
}
```

### 3.2

```
body {
display: grid;
grid-template-columns: 1fr 1fr 1fr;
grid-template-rows: 1fr 1fr 1fr;
grid-template-areas:
    "green green green"
    "yellow orange red"
    "yellow blue red";
}
```

```
}
```

```
#green {  
  grid-area: green;  
}
```

```
#yellow {  
  grid-area: yellow;  
}
```

```
#orange {  
  grid-area: orange;  
}
```

```
#red {  
  grid-area: red;  
}
```

```
#blue {  
  grid-area: blue;  
}
```

### 3.3

```
body {  
  display: grid;  
  grid-template-columns: 1fr 3fr;  
  grid-template-rows: 1fr 1fr 1fr 1fr;  
  grid-template-areas:  
    "yellow yellow"  
    "blue orange"  
    "blue red"  
    "blue green"  
}
```

```
#green {  
  grid-area: green;  
}
```

```
#yellow {  
  grid-area: yellow;  
}
```

```
#orange {  
  grid-area: orange;  
}  
  
#red {  
  grid-area: red;  
}  
  
#blue {  
  grid-area: blue;  
}  
  
#yellow ul, #red ul {  
  display: flex;  
}  
  
#red ul {  
  flex-direction: row-reverse;  
}  
  
#yellow li, #red li {  
  flex-grow: 1;  
}  
  
#yellow li:first-child {  
  flex-grow: 3;  
}
```

### 3.4

```
body {  
  display: grid;  
  grid-template-columns: 1fr 1fr 1fr;  
  grid-template-rows: 1fr 2fr 1fr;  
  grid-template-areas:  
    "green green green"  
    "yellow red blue"  
    "orange orange blue";  
}  
  
#green {  
  grid-area: green;  
}
```

```
#yellow {  
  grid-area: yellow;  
}  
  
#orange {  
  grid-area: orange;  
}  
  
#red {  
  grid-area: red;  
}  
  
#blue {  
  grid-area: blue;  
}  
  
#yellow ul, #red ul {  
  display: grid;  
  grid-template-columns: 1fr 1fr;  
  grid-template-rows: 1fr 1fr;  
}
```

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