 МІНІСТЕРСТВО ОСВІТИ I НАУКИ УКРАЇНИ

НАЦІОНАЛЬНИЙ ТЕХНІЧНИЙ УНІВЕРСИТЕТ УКРАЇНИ

«КИЇВСЬКИЙ ПОЛІТЕХНІЧНИЙ ІНСТИТУТ   
ІМЕНІ ІГОРЯ СІКОРСЬКОГО»

ФАКУЛЬТЕТ БІОМЕДИЧНОЇ ІНЖЕНЕРІЇ

КАФЕДРА БІОМЕДИЧНОЇ КІБЕРНЕТИКИ

**Комп’ютерний практикум №4**

з дисципліни «Веб-технології та веб-дизайн-1»

**Виконав:**

студент гр. БС-81

Алфьоров А. І.

**Перевірив:**

ас. каф. БМК Матвійчук О. В.

Зараховано від \_\_\_.\_\_\_.\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

(підпис викладача)

Київ-2020

**Код**

index.html

-------------------------------------------------------------------------------------------

<!doctype html>

<html>

<head>

<meta charset="utf-8">

<link rel="stylesheet" type="text/css" href="style.css">

<link rel="stylesheet" type="text/css" href="open\_page\_anim.css">

<title>index</title>

</head>

<body>

<div class="names">

<div class="light" id="c01">2D</div>

<div class="dark" id="c02">3D</div>

<div class="light" id="c03">transform</div>

<div class="dark" id="c04">@keyframes</div>

<div class="light" id="c05">all anim</div>

</div>

<div class="animations">

<div class="dark" id="c01"><div class="trans2d"></div></div>

<div class="light" id="c02"><div class="trans3d"></div></div>

<div class="dark" id="c03"><div class="circle1"></div></div>

<div class="light" id="c04"><div class="keyfra"></div></div>

<div class="dark" id="c05"><div class="allanim"></div></div>

</div>

<div class="links">

<a href="flex\_and\_grid.html"><div class="light" id="c03">flex and grid</div></a>

</div>

<div class="bgenter"></div>

<div class="circ1"></div>

<div class="circ2"></div>

<div class="circ3"></div>

</body>

</html>

flex\_and\_grid.html

-------------------------------------------------------------------------------------------

<!doctype html>

<html>

<head>

<meta charset="utf-8">

<link rel="stylesheet" type="text/css" href="style1.css">

<link rel="stylesheet" type="text/css" href="open\_page\_anim.css">

<title>flex\_and\_grid</title>

</head>

<body>

<center class="center1">Flexbox:</center>

<div class="flex">

<div class="c01"></div>

<div class="c02"></div>

<div class="c03"></div>

<div class="c04"></div>

<div class="c05"></div>

</div>

<center class="center2">Grid:</center>

<div class="grid">

<div class="c01"></div>

<div class="c02"></div>

<div class="c03"></div>

<div class="c04"></div>

<div class="c05"></div>

<div class="c06"></div>

</div>

<div class="bgenter"></div>

<div class="circ1"></div>

<div class="circ2"></div>

<div class="circ3"></div>

</body>

</html>

style.css

-------------------------------------------------------------------------------------------

body {

margin: 0px;

background: url(bg.png);

background-size: 100vw;

font-family: blogger\_m;

overflow-x: hidden;

}

@font-face {

font-family: blogger\_m;

src: url(Blogger\_Sans-Medium.ttf);

}

.names, .animations, .links{

position: absolute;

height: 20vw;

width: 100vw;

}

.names > div, .animations > div , .links > a > div {

position: absolute;

height: 20vw;

width: 20vw;

font-size: 5vw;

text-align: center;

line-height: 20vw;

transition-duration: 0.3s;

}

.names > div {

top: 0vw;

}

.names > div:hover {

transform: scale(0.9);

}

.light {

color: #576e7a;

}

.names > .light:hover, .links > a > .light:hover {

color: #dce3e6;

background: #576e7a;

}

.dark {

color: #dce3e6;

}

.names > .dark:hover, .links > a > .dark:hover {

color: #576e7a;

background: #dce3e6;

}

#c01 {left: 0vw; font-size: 10vw;}

#c02 {left: 20vw; font-size: 10vw;}

#c03 {left: 40vw; font-size: 3vw;}

#c04 {left: 60vw; font-size: 3vw;}

#c05 {left: 80vw; font-size: 3vw;}

.animations {

top: 20vw;

}

.trans2d {

position: absolute;

top: 5vw;

left: 5vw;

height: 10vw;

width: 10vw;

background: #dce3e6;

transition-timing-function: ease-in;

transition-duration: 3s;

}

.trans2d:hover {

left: 9vw;

}

.trans3d , .circle1 , .keyfra , .allanim {

position: absolute;

top: calc(10vw - 50px);

left: calc(10vw - 50px);

height: 100px;

width: 100px;

}

.trans3d {

background: #576e7a;

transition-duration: 3s;

}

.trans3d:hover {

transform: rotateY(45deg);

}

.circle1 {

background: #dce3e6;

border-radius: 50%;

transition-duration: 2s;

}

.circle1:hover {

transform: scale(0.1);

}

.keyfra {

background: #576e7a;

}

.keyfra:hover {

animation: linear changecolor 1s infinite;

}

@keyframes changecolor {

0% { background: #f23f5e; }

1% { background: #f2bd5e; }

50% { background: #8ebd5e; }

99% { background: #8eb3e4; }

100% { background: #b870e4; }

}

.allanim {

background: #dce3e6;

transition-duration: 2s;

}

.allanim:hover {

left: calc(12vw - 50px);

transform: rotateZ(45deg);

animation: linear changecolor 2s infinite;

}

.links {

top: 40vw;

}

.links > a > div:hover {

transform: scale(0.9);

}

style1.css

-------------------------------------------------------------------------------------------

body {

margin: 0px;

background: #dce3e6;

color: #576e7a;

font-family: blogger\_m;

font-size: 15vh;

overflow-x: hidden;

}

@font-face {

font-family: blogger\_m;

src: url(Blogger\_Sans-Medium.ttf);

}

center {

width: 100vw;

}

.center1 {

height: calc(50vh - 6vw);

line-height: calc(50vh - 6vw);

}

.flex {

margin-left: 10vw;

margin-bottom: calc(50vh - 6vw);

width: 80vw;

display: flex;

flex-direction: row;

flex-wrap: wrap;

}

.flex > div {

height: 4vw;

}

.c01 {background: #f23f5e;}

.c02 {background: #f2bd5e;}

.c03 {background: #8ebd5e;}

.c04 {background: #6abfd0;}

.c05 {background: #7090f3;}

.c06 {background: #b870e4;}

.flex > .c01 {width: 30vw;}

.flex > .c02 {width: 50vw;}

.flex > .c03 {width: 80vw;}

.flex > .c04 {width: 40vw;}

.flex > .c05 {width: 40vw;}

.center2 {

height: 25vh;

line-height: 25vh;

}

.grid {

display: grid;

margin-left: calc(50vw - 32.5vh);

margin-bottom: 25vh;

grid-template-columns: 30vh 35vh;

grid-template-rows: 8vh 24vh 10vh 8vh;

}

.grid > .c01 {grid-column: 1 / 3; grid-row: 1 / 2;}

.grid > .c02 {grid-column: 1 / 2; grid-row: 2 / 4;}

.grid > .c03 {grid-column: 2 / 3; grid-row: 2 / 3;}

.grid > .c04 {grid-column: 2 / 3; grid-row: 3 / 4;}

.grid > .c05 {grid-column: 1 / 2; grid-row: 4 / 5;}

.grid > .c06 {grid-column: 2 / 3; grid-row: 4 / 5;}

open\_page\_anim.css

-------------------------------------------------------------------------------------------

.bgenter {

animation: bgenter 0.6s 2;

position: fixed;

top: 0px;

background: #576e7a;

}

@keyframes bgenter {

0% {height: 100vh; width: 100vw;}

100% {height: 100vh; width: 100vw;}

}

.circ1 {

animation: linear circ1 0.6s 2;

position: fixed;

top:0px;

background: #dce3e6;

border-radius: 50%;

}

@keyframes circ1 {

0% {margin-left: 50vw; margin-top: 50vh; height: 0vh; width: 0vh;}

100% {margin-left: calc(50vw - 5vh); margin-top: 45vh; height: 10vh; width: 10vh;}

}

.circ2 {

animation: ease-in circ1 0.6s 2;

position: fixed;

top:0px;

background: #576e7a;

border-radius: 50%;

}

.circ3 {

animation: linear circ2 0.6s 2;

position: fixed;

top:0px;

background: #dce3e6;

border-radius: 50%;

}

@keyframes circ2 {

0% {margin-left: 50vw; margin-top: 50vh; height: 0vh; width: 0vh;}

50% {margin-left: calc(50vw - 2.5vh); margin-top: 47.5vh; height: 5vh; width: 5vh;}

100% {margin-left: 50vw; margin-top: 50vh; height: 0vh; width: 0vh;}

}

**Результат**





