```
1    The index:
2    <!DOCTYPE html>
3    <html lang="en">
4    <head>
5        <meta charset="UTF-8">
6        <meta name="viewport" content="width=device-width, initial-scale=1.0">
7        <meta http-equiv="X-UA-Compatible" content="ie=edge">
8        <link rel="stylesheet" href="style.css" type="text/css" />
9        <link rel="preconnect" href="https://fonts.googleapis.com"><link rel="preconnect" href
10       <link href="https://fonts.googleapis.com/css2?family=Open+Sans:wght@300;400&display=sw
11       <title>Cybersecurity Conepts 1</title>
12   </head>
13   <body>
14       <header>
15           <h1>Cybersecurity Concepts 1</h1>
16       </header>
17
18       <section class="gallery">
19           <div class="post">
20               <h2>Defense in Depth</h2>
21               <img src="assets/mobilePhone.jpg"/>
22               <p> A comprehensive strategy of including multiple layers of security
23       within a system so that if one layer fails, another layer of security is already in pl
24       stop the attack/unauthorized access. Examples:</p>
25   <ol>
26       <li>  A castle is secured by a moat, a drawbridge, and guards at the gate.</li>
27       <li>  Your home computer is secured by locks on the door, an alarm system, and a firew
```

```
28        <li>  Company data is secured by a firewall, passwords, and encryption.</li>

29

30   </ol>

31            </div> <!-- close post 1 -->

32

33              <div class="post">

34               <h2>Confidentiality</h2>

35               <img src="assets/stamp.jpg"/>

36               <p>The property that information is not disclosed to individuals,

37   devices, or processes unless they have been authorized to access the information.</p>

38   <ul>

39       <li> Student grades can only be accessed by specific individuals within the

40   organization, such as authorized teachers and the principal </li>

41       <li>   At a hospital, medical information about a patient is protected and only provi

42   to authorized personnel. </li>

43       <li>  Salary information is typically only available to authorized personnel within a

44   company, such as the supervisor and human resources. </li>

45   </ul>

46            </div> <!-- close post 2 -->

47

48              <div class="post">

49               <h2>Integrity</h2>

50               <img src="assets/digitization.jpg"/>

51               <p> The property that information, an information system, or a component of a

52   system has not been modified or destroyed in an unauthorized manner.</p>

53   <ul>

54       <li> Student grades are accurate and have not been modified by an unauthorized user.

55       <li>   A website is the entity it claims to be. </li>

56       <li>  A computer system is virus-free and uncompromised. </li>

57   </ul>
```

```
58              </div> <!-- close post 3 -->
59
60               <div class="post">
61                  <h2>Availability</h2>
62                  <img src="assets/availability.jpg">
63                  <p>The property that information or information systems are accessible
64                  and usable upon demand.</p>
65  <ul>
66      <li> A student's grades can be viewed by the student and principal and modified by th
67      <li>   A website for a store allows orders to be placed and viewed. </li>
68      <li>  A banking system is appropriately accessible by both customers and banking empl
69      <li>   A Denial-of-Service attack can result in a system being unavailable and inacce
70  </ul>
71              </div> <!-- close post 4 -->
72
73               <div class="post">
74                  <h2>Think Like an Adversary</h2>
75                  <img src="assets/adversary.jpg">
76                  <p>The strategy of putting yourself inside the mindset of a potential attacker
77                      that allows you to anticipate attack strategies and defend your systems acc
78  <ul>
79      <li>In order to best protect a student's data, it is useful to think of potential
80  adversaries and their motivations, such as a student wishing harm on another, a
81  student seeking to modify his own data, and consider possible strategies – breaking physic
82  access, etc. and build your security strategy accordingly. </li>
83      <li>  Discussions on ethics of a cybersecurity professional must correlate with any
84  activity in which adversarial thinking is being modeled. </li>
85  </ul>
86              </div> <!-- close post 5 -->
87
```

```html
            <div class="post">
                <h2>Keep It Simple</h2>
                <img src="assets/KeepItSimple.jpg">
                <p>The strategy of designing information and security systems to be
                configured and operated as simply as possible; all systems perform best when t
                designs rather than complex ones.</p>
<ul>
    <li>A complex alarm system can have many points of failure, including the hardware
and the software. </li>
    <li>  A complex computer system has many points of access and may be difficult to
secure.  A simple solution is often the best strategy. </li>
</ul>
            </div> <!-- close post 5 -->


    </section>  <!-- close gallery class -->

    <footer>
        <div class="source">
            <cite>Content by:</cite>
            <p><a href="https://www.gen-cyber.com/">GenCyber Academy</a></p>
            </div>
            <br />
        <div class="source">
            <cite>Mobile Phone</cite>
            <p><a href="https://pixabay.com/users/funkyfocus-3900817/?utm_source=link-attr
         </div>
         <br />
        <div class="source">
```

```
118          <cite> Stamp</cite>
119          <p><a href="https://pixabay.com/users/tayebmezahdia-4194100/?utm_source=link-a
120        </div>
121        <br />
122        <div class="source">
123          <cite>Digitization</cite>
124          <p>Image by <a href="https://pixabay.com/users/geralt-9301/?utm_source=link-at
125        </div>
126        <div class="source">
127          <cite>Typing</cite>
128          <p>Image by <a href="https://pixabay.com/users/geralt-9301/?utm_source=link-at
129        </div>
130        <div class="source">
131          <cite>Anonymous</cite>
132          <p>Image by <a href="https://pixabay.com/users/geralt-9301/?utm_source=link-at
133        </div>
134        <div class="source">
135          <cite>Cyber-Lock</cite>
136          <p>Image by <a href="https://pixabay.com/users/janbaby-3005373/?utm_source=lin
137        </div>
138
139      </footer>
140  </body>
141  </html>
142
143  The style:
144
145
146
147
```

```css
148    /* Color Palette:
149     primary #FFFBEB
150     secondary: #495579
151     tertiary: #263159
152     accent: #251749
153     */
154
155    html {
156        margin: 0;
157        padding: 0;
158        box-sizing: border-box;
159
160    }
161
162    body {
163        background-color: #251749;
164        font-family: 'Open Sans', sans-serif;
165    }
166
167    header {
168        background-color: #495579;
169        color: #fff;
170        padding: 1.5rem;
171        margin: 1.2rem;
172    }
173
174    footer {
175     background-color: #FFFBEB;
176     margin: 1.2rem;
177     padding: 1.5rem;
```

```
178       font-size: 0.55rem;

179

180    }

181

182    h1,h2 {

183        text-align: center;

184    }

185

186    img {

187        max-width: 100%;

188        height: auto;

189        border-radius: 2rem;

190    }

191

192    li {

193        padding: 0.2rem;

194    }

195

196    .post {

197        background-color: #FFFBEB;

198        margin: 1.2rem;

199        padding: 1.5rem;

200        line-height: 2rem;

201    }

202

203    .post p {

204        text-indent: 1.2rem;

205    }

206

207    .source {
```

```css
208       letter-spacing: 1px;
209     }
210
211   .source a {
212    text-decoration: none;
213    color: #495579;
214   }
215
216
217   @media (min-width: 800px) {
218    .gallery {
219     display: flex;
220      flex-wrap: wrap;
221      justify-content: space-around;
222    }
223
224    .post {
225     width:25%;
226     font-size: 1.1rem;
227    }
228
229    footer {
230     display: flex;
231     justify-content: space-around;
232     align-items: center;
233     font-size: 0.7rem;
234    }

      }
```

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