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Practical 7

Use each of the following to bind and display your personal information. · expressions and data binding · directives · controller

practical7.html

```
<!DOCTYPE html>
<!--
Use each of the following to bind and display your personal information. ·expressions and data binding
· directives
· controller
-->
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Practical 7</title>
    <link rel="stylesheet" type="text/css" href="style.css">
    <script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.8.2/angular.min.js"></script>    <!--AngularJS library from CDN-->
    <script src="script.js"></script>
    <link href="https://fonts.googleapis.com/css?family=Source+Code+Pro:400,500" rel="stylesheet">
```

```
17.
18.</head>
19.<h4>INPUT</h4>
20.
21. <body ng-app="mainApp" ng-controller="detailsOfPerson">
  <!-- Module name : mainApp -->
22.
23.    <!-- take input  -->
24.<div class="card_input">
25.    <div class="information">
26.        Name   : <input type="text" ng-
  model="person.name"/>
27.        Age    : <input type="text" ng-
  model="person.age"/>
28.        Weight : <input type="text" ng-
  model="person.weight"/>
29.        Height : <input type="text" ng-
  model="person.height"/>
30.        Skills : <input type="text" ng-
  model="person.skills"/>
31.    </div>
32.</div>
33.
34.<h4>OUTPUT</h4>
35.
36.    <!-- output reflected in card -->
37.<div class="card">
38.   <div class="card-avatar">
39.      <svg viewBox="0 0 208 278">
40.          <g
  transform=“matrix(0.1,0,0,-0.1,-31.2625,284.904)">
<!-- below graphic is taken from internet -->
41.              <path d="M1275,2844C1142,2816 1055,2779
  909,2687C780,2606 699,2523 614,2385C540,2266 503,2183
  458,2035C426,1928 425,1920
  425,1743L425,1561L398,1533C295,1422 283,1151 374,972C406,909
  492,807 533,782C573,758 630,749 669,760C699,768 699,768
  721,702C755,598 814,481 869,408C925,334 1043,234
  1108,206C1131,195 1150,183 1150,179C1150,174 1167,166
  1188,161C1209,155 1252,137 1285,121C1408,62 1694,53
  1840,104C1881,119 1916,135 1918,140C1920,145 1950,169
  1984,194C2057,246 2122,316 2180,403C2244,500 2328,677
  2350,763C2380,884 2392,1116 2387,1505C2383,1844 2382,1858
```

```
2357,1954C2271,2279 2182,2452 2025,2599C1826,2785 1667,2851
1426,2849C1354,2848 1286,2846 1275,2844ZM1650,2785C1866,2718
2111,2498 2205,2287C2252,2179 2299,2031
2325,1903L2352,1775L2347,1355C2342,910 2336,834
2293,716C2192,434 1983,186 1799,129C1724,106 1506,103
1420,125L1365,138L1440,139C1573,141 1550,157
1404,165L1265,172L1163,223C1091,259 1040,293 986,342C944,380
910,415 910,418C910,422 988,424 1082,422C1177,420 1251,422
1247,427C1242,431 1160,437 1065,440C906,445 889,447
876,465C867,476 860,489 860,494C860,499 940,501
1053,497C1271,490 1355,503 1160,513C1092,517 993,520
939,520L841,520L825,550C817,566 810,580 810,582C810,584
876,580 958,573C1140,559 1360,557 1380,570C1390,577 1355,580
1270,581C1201,581 1067,587 971,593C803,605 797,606
789,628L780,652L1023,645C1206,639 1262,640 1254,649C1247,657
1171,661 1009,663C867,664 772,669 768,675C764,681 760,692
760,700C760,713 802,715 1082,714C1292,713 1382,715
1340,721C1304,725 1156,730 1012,731L748,734L739,758C718,813
702,811 1063,805C1251,802 1384,804 1370,809C1356,813
1201,820 1027,824C734,831 708,830 696,815C689,805 665,796
639,793C603,789 588,793 555,815C533,830 506,853
496,867L477,893L501,887C547,876 1313,866 1307,877C1303,883
1188,890 1018,894C862,897 671,903
592,907L450,913L430,945C419,963 410,980 410,984C410,987
431,990 458,990C500,990 507,987 522,960C536,935 545,930
579,930C610,930 623,936 639,957L660,983L838,976C935,972
1051,965 1095,960C1181,950 1367,947 1358,955C1350,963
903,1000 810,1000C694,1000 652,1008 645,1031C637,1056
610,1055 610,1030C610,1014 603,1010 575,1010C546,1010
539,1014 534,1035C522,1083 535,1093 593,1086C665,1077
1286,1066 1279,1074C1276,1077 1161,1084 1024,1090C887,1095
739,1102 695,1106L614,1111L614,1177L980,1172C1185,1170
1341,1171 1337,1176C1332,1181 1168,1189
973,1195L617,1205L602,1248C594,1272 590,1293
592,1295C594,1298 695,1293 816,1285C1048,1269 1245,1267
1295,1280C1332,1289 1346,1288 1045,1301C908,1306 744,1314
682,1318L569,1325L548,1359L526,1393L586,1386C618,1382
670,1379 700,1380C730,1380 856,1372 980,1362C1104,1351
1207,1345 1209,1346C1222,1357 1066,1378 879,1390C681,1404
674,1405 666,1427C663,1437 657,1451 654,1459C650,1467
652,1470 657,1467C666,1461 1106,1430 1166,1430C1188,1431
1191,1433 1179,1440C1171,1445 1094,1454 1009,1460C704,1481
625,1490 610,1505C598,1518 609,1520 700,1519C758,1519
```

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861,1515 930,1511C999,1506 1059,1506 1063,1510C1077,1522
1015,1529 795,1540C679,1546 559,1555 528,1562C476,1571
470,1575 470,1597L470,1621L563,1615C613,1612 724,1605
808,1600C893,1594 978,1590 998,1591C1033,1591 1034,1592
1010,1601C981,1613 663,1639 543,1640C464,1640 460,1641
460,1663L460,1685L738,1686C895,1687 1028,1692
1045,1698C1067,1705 990,1709
768,1709L460,1710L460,1775L800,1772C1030,1770 1140,1773
1140,1780C1140,1787 1028,1790
800,1790L460,1790L460,1814C460,1837 461,1837
608,1843C689,1847 872,1848 1015,1846C1209,1843 1265,1844
1235,1852C1211,1859 1049,1863 827,1864C464,1865 459,1865
464,1885C467,1896 470,1911 470,1919C470,1943 1199,1923
1350,1895C1377,1890 1381,1891 1368,1899C1325,1927 1151,1942
817,1947L479,1952L486,1974C489,1985 496,2000
502,2005C516,2020 835,2014 1043,1996C1236,1979 1379,1976
1345,1990C1306,2005 903,2033
704,2034L503,2035L511,2065C516,2081 520,2096
520,2097C520,2107 946,2097 1045,2084C1179,2067 1388,2054
1380,2063C1362,2082 969,2122
743,2129L531,2135L564,2210L596,2285L801,2284C913,2283
1039,2277 1080,2271C1201,2252 1268,2248 1247,2261C1213,2281
979,2310 840,2311C766,2311 686,2315 662,2318C624,2324
621,2327 632,2341C643,2355 672,2356 876,2351C1004,2347
1132,2347 1161,2350C1268,2361 1156,2370 910,2370C780,2370
671,2373 667,2376C664,2380 668,2393
677,2406L692,2430L949,2430C1313,2430 1346,2444
997,2450L710,2455L732,2487L755,2520L1002,2520C1156,2520
1251,2524 1255,2530C1259,2536 1244,2540 1218,2541C1194,2542
1166,2543 1155,2544C1144,2545 1056,2547
960,2548L785,2550L810,2570C833,2588 852,2590
1020,2590C1176,2591 1300,2600 1280,2610C1277,2612 1187,2615
1080,2619L885,2625L924,2649C962,2673 965,2673
1154,2668C1259,2665 1336,2666 1325,2671C1314,2675 1280,2679
1250,2680C1220,2681 1155,2687 1105,2694C1022,2705 1017,2707
1039,2719C1057,2729 1095,2731 1189,2727C1258,2725 1323,2719
1333,2715C1343,2711 1350,2712 1350,2719C1350,2725 1331,2733
1308,2737L1265,2743L1297,2754C1350,2772 1349,2783
1295,2775C1117,2749 1088,2754 1220,2790C1284,2807 1317,2810
1445,2806C1546,2803 1613,2796 1650,2785ZM526,1515C543,1502
539,1501 480,1501C421,1501 417,1502 434,1515C445,1523
466,1530 480,1530C494,1530 515,1523
526,1515ZM596,1460C604,1452 616,1438 621,1428C630,1411
```

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624,1410 518,1410C386,1410 373,1415
392,1455L404,1483L492,1478C542,1475 587,1467
596,1460ZM415,1390C425,1390 426,1382 421,1363C412,1328
360,1316 360,1349C360,1381 372,1402 387,1396C395,1393
408,1390 415,1390ZM504,1354C530,1329 523,1318
488,1325C448,1334 446,1335 453,1355C461,1374 484,1374
504,1354ZM420,1293C428,1280 433,1279 436,1288C440,1295
461,1300 491,1300C535,1300 541,1297 555,1270C585,1212
581,1209 463,1212L355,1215L352,1263C349,1309 349,1310
379,1310C397,1310 414,1303 420,1293ZM549,1184C589,1176
590,1150 551,1150C532,1150 516,1142 507,1129C494,1112
484,1109
429,1112L365,1115L362,1153L359,1190L438,1190C482,1190
532,1187 549,1184ZM500,1050L500,1010L449,1010C401,1010
398,1012 384,1045C377,1064 370,1082 370,1085C370,1088
399,1090 435,1090L500,1090L500,1050Z" style="fill-
rule:nonzero;"/>
42.             <path d="M625,2212C547,2198 618,2190
808,2190C911,2190 1056,2183 1130,2175C1287,2158 1363,2156
1340,2170C1293,2197 733,2230 625,2212Z" style="fill-
rule:nonzero;"/>
43.             <path d="M1270,1826C1229,1820 1189,1811
1182,1806C1151,1787 1192,1784 1310,1797C1381,1805 1478,1809
1534,1806C1627,1801 1670,1808 1670,1830C1670,1843 1358,1840
1270,1826Z" style="fill-rule:nonzero;"/>
44.             <path d="M2035,1828C1980,1823 1923,1819
1908,1820C1875,1820 1872,1805 1901,1789C1916,1781 1943,1781
2003,1789C2047,1795 2121,1800 2167,1800C2242,1800 2251,1802
2248,1818C2244,1839 2184,1842 2035,1828Z" style="fill-
rule:nonzero;"/>
45.             <path d="M2005,1723C1928,1706 1864,1656
1854,1605C1835,1504 1967,1409 2086,1439C2141,1453 2210,1498
2235,1536C2244,1551 2253,1584 2254,1610C2256,1692 2199,1731
2080,1729C2050,1728 2016,1726 2005,1723ZM2197,1674C2252,1639
2227,1557 2146,1503C2106,1475 2088,1470 2040,1470C1961,1470
1900,1503 1883,1554C1861,1619 1900,1666 1997,1689C2046,1702
2169,1692 2197,1674Z" style="fill-rule:nonzero;"/>
46.             <path d="M2031,1636C2015,1617 2025,1600
2051,1600C2066,1600 2071,1606 2068,1622C2064,1649 2047,1655
2031,1636Z" style="fill-rule:nonzero;"/>
47.             <path d="M1241,1699C1195,1689 1149,1673
1139,1664C1116,1643 1114,1590 1135,1547C1181,1451 1388,1408
1500,1471C1579,1515 1632,1608 1610,1666C1589,1719 1403,1736
```

```
1241,1699ZM1512,1675C1537,1672 1563,1663 1569,1657C1581,1641
1569,1580 1546,1545C1500,1475 1348,1452 1242,1499C1178,1528
1160,1551 1160,1606L1160,1647L1243,1663C1288,1673 1345,1682
1370,1683C1416,1687 1430,1686 1512,1675Z" style="fill-
rule:nonzero;"/>
48.             <path d="M1407,1627C1399,1606 1415,1588
1436,1592C1463,1597 1461,1634 1434,1638C1422,1640 1410,1635
1407,1627Z" style="fill-rule:nonzero;"/>
49.             <path d="M1774,1565C1764,1541 1778,1349
1796,1266C1804,1227 1819,1173 1831,1147C1850,1102 1850,1096
1836,1075C1812,1039 1838,1030 1867,1064C1889,1090 1889,1092
1873,1128C1841,1201 1812,1336 1805,1453C1798,1564 1788,1602
1774,1565Z" style="fill-rule:nonzero;"/>
50.             <path d="M1720,793C1643,779 1696,746
1786,752C1855,756 1866,761 1857,785C1851,800 1783,804
1720,793Z" style="fill-rule:nonzero;"/>
51.             <path d="M1030,331C1044,322 1256,315
1345,320L1385,322L1345,331C1290,342 1011,342 1030,331Z"
style="fill-rule:nonzero;"/>
52.             <path d="M1150,250C1150,238 1426,238
1455,250C1467,255 1413,259 1313,259C1210,260 1150,256
1150,250Z" style="fill-rule:nonzero;"/>
53.          </g>
54.      </svg>
55.   </div>
56.   <div class="card-details">
57.      <div class="name">{{person.name}}</div>
58.      <div class="occupation">Hero</div>
59.
60.      <div class="card-about">
61.         <div class="item">
62.            <span class="value">{{person.age}}</span>
63.            <span class="label">Age</span>
64.         </div>
65.         <div class="item">
66.            <span class="value">{{person.weight}} kg </
span>
67.            <span class="label">Weight</span>
68.         </div>
69.         <div class="item">
70.            <span class="value">{{person.height}} cm</span>
71.            <span class="label">Height</span>
72.         </div>
```

```
73.       </div>
74.       <div class="skills">
75.          <span class="value">{{person.skills}}</span>
76.       </div>
77.    </div>
78.</div>
79.</body>
80.</html>
```

style.css

```
1. * {
2.    box-sizing: border-box;
3. }
4.
5. :root {
6.    --background: white;
7.
8.    --primary: #ff1ead;
9.    --secondary: #1effc3;
10.
11.    --card-size: 300px;
12.}
13.
14.body {
15.    height: 100vh;
16.    margin: 0;
17.    display: grid;
18.    place-items: center;
19.    padding: 1rem;
20.    background: var(--background);
21.    font-family: 'Source Code Pro', monospace;
22.
23.    text-rendering: optimizelegibility;
24.    -webkit-font-smoothing: antialiased;
25.    -moz-osx-font-smoothing: grayscale;
26.}
27.
28..card {
29.    width: calc(var(--card-size) * 1.586);
```

```
30.    height: var(--card-size);
31.
32.    border-radius: 0.75rem;
33.    box-shadow:  0 22px 70px 4px rgba(0,0,0,0.56), 0 0 0 1px
   rgba(0, 0, 0, 0.3);
34.
35.    background: black;
36.
37.    display: grid;
38.    grid-template-columns: 40% auto;
39.    color: white;
40.
41.    align-items: center;
42.
43.    will-change: transform;
44.    transition: transform 0.25s cubic-bezier(0.4, 0.0, 0.2,
   1), box-shadow 0.25s cubic-bezier(0.4, 0.0, 0.2, 1);
45.
46.    &:hover {
47.       transform: scale(1.1);
48.       box-shadow:  0 32px 80px 14px rgba(0,0,0,0.36), 0 0 0
   1px rgba(0, 0, 0, 0.3);
49.    }
50.}
51.
52..card-details {
53.    padding: 1rem;
54.}
55.
56..name {
57.    font-size: 1.25rem;
58.}
59.
60..occupation {
61.    font-weight: 600;
62.    color: var(--primary);
63.}
64.
65..card-avatar {
66.    display: grid;
67.    place-items: center;
68.}
69.
```

```
70.svg {
71.    fill: white;
72.    width: 65%;
73.}
74.
75..card-about {
76.    margin-top: 1rem;
77.    display: grid;
78.    grid-auto-flow: column;
79.}
80.
81..item {
82.    display: flex;
83.    flex-direction: column;
84.    margin-bottom: 0.5rem;
85.
86.    .value {
87.       font-size: 1rem;
88.    }
89.
90.    .label {
91.       margin-top: 0.15rem;
92.       font-size: 0.75rem;
93.       font-weight: 600;
94.       color: var(--primary);
95.    }
96.}
97.
98..skills {
99.    display: flex;
100.    flex-direction: column;
101.    margin-top: 0.75rem;
102.
103.    .label {
104.       font-size: 1rem;
105.       font-weight: 600;
106.       color: var(--primary);
107.    }
108.
109.    .value {
110.       margin-top: 0.15rem;
111.       font-size: 0.75rem;
112.       line-height: 1.25rem;
```

```
113.    }
114.}
115.
116.input[type=text]{
117.     width: 80%; /* applying width */
118.     padding: 12px; /* applying padding */
119.     border: 1px solid #ff1ead; /* border and its color */
120.     border-radius: 4px; /* Rounded borders */
121.     box-sizing: border-box; /* Make sure that padding and
  width stays in place */
122.     margin-top: 6px; /* Add a top margin */
123.     margin-bottom: 16px; /* Bottom margin */
124.     resize: vertical; /* Allow the user to vertically
  resize the textarea (not horizontally) */
125.   }
126.
127.   .card_input {
128.     width: calc(var(--card-size) * 1.586);
129.     height: var(--card-size) * 1.586;
130.
131.     border-radius: 0.75rem;
132.     box-shadow:  0 22px 70px 4px rgba(0,0,0,0.56), 0 0 0
  1px rgba(0, 0, 0, 0.3);
133.
134.     background: black;
135.
136.     grid-template-columns: 40% auto;
137.     color: white;
138.
139.     align-items: center;
140.
141.     will-change: transform;
142.     transition: transform 0.25s cubic-bezier(0.4, 0.0,
  0.2, 1), box-shadow 0.25s cubic-bezier(0.4, 0.0, 0.2, 1);
143.
144.     &:hover {
145.        transform: scale(1.1);
146.        box-shadow:  0 32px 80px 14px rgba(0,0,0,0.36), 0 0
  0 1px rgba(0, 0, 0, 0.3);
147.     }
148. }
149.
150. .information{
```

```
151.     padding: 15px;
152. }
```

script.js

```
1. var mainApp = angular
2.                     .module("mainApp", [])
3.                     .controller('detailsOfPerson',
   function($scope) {
4.                         $scope.person = {
5.                             name: "",
6.                             age: "",
7.                             weight: "",
8.                             height: "",
9.                             skills: "",
10.                         };
11.                     });
```

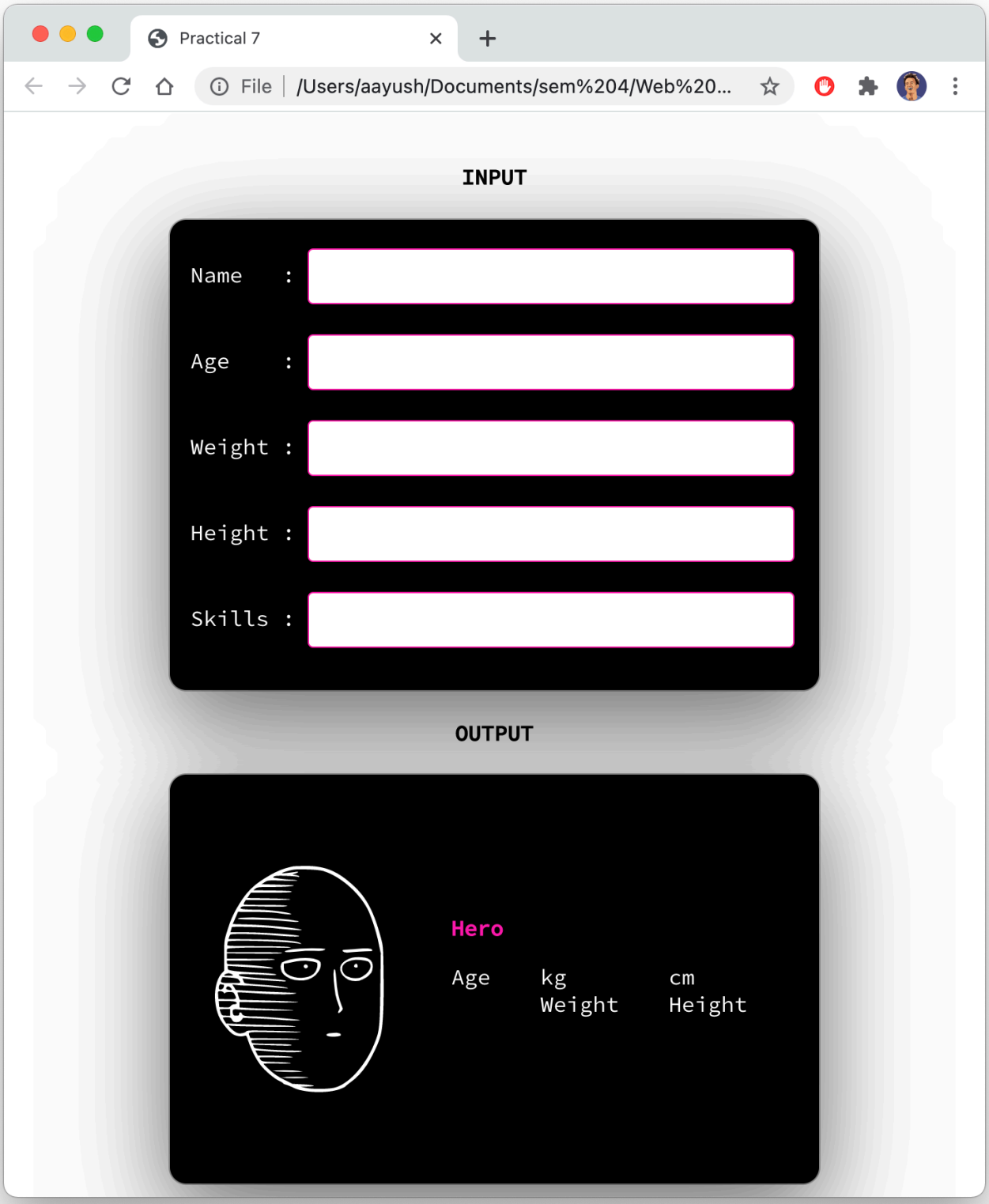
Output

Here I made a card maker website which generate a card from the personal information given by the user. It will update the information on the spot as we used the concept of angularJS.

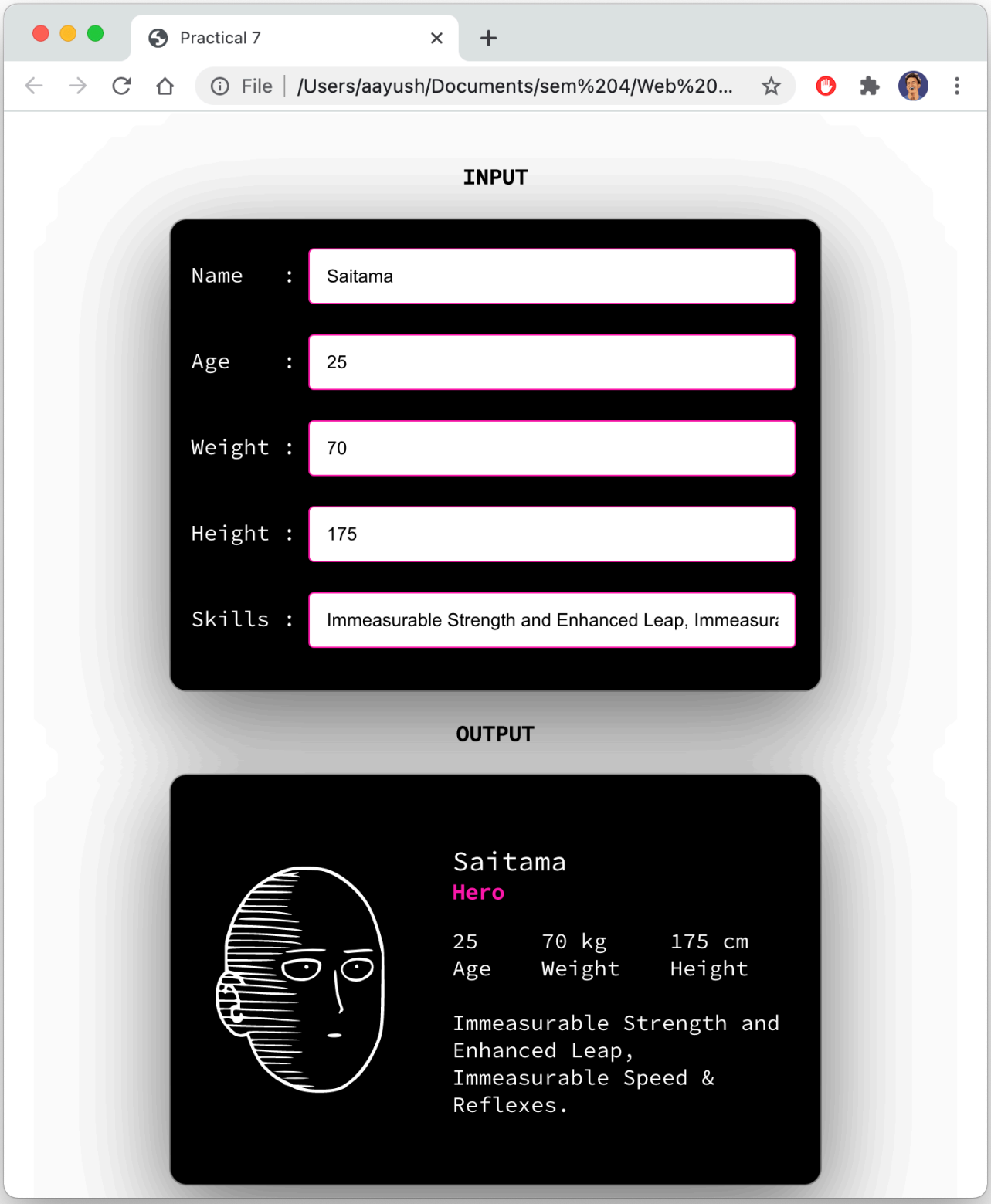
First output is the output where the first page is displayed and user hasn't given any input.

Second output is the output where the user has given output and the card is generated based on the information given by the user in realtime.

Before input :



After input :


Practical 7
File | /Users/aayush/Documents/sem%204/Web%20...
INPUT
Name : Saitama
Age : 25
Weight : 70
Height : 175
Skills : Immeasurable Strength and Enhanced Leap, Immeasura
OUTPUT
Saitama
Hero
25 Age
70 kg Weight
175 cm Height
Immeasurable Strength and Enhanced Leap, Immeasurable Speed & Reflexes.

Conclusion

Here we have learned many angularJS concepts like Expressions, Data-binding, Directives and Controllers. With the use of this concept I created Personal information card generator websites which updates in real-time as user gives input.

- *Concepts and their definitions:*
  - ***Data Binding*** *Data binding in AngularJS is the synchronization between the model and the view.*
  - ***Expression*** *AngularJS binds data to HTML using Expressions.*
  - ***Directives*** *AngularJS lets you extend HTML with new attributes called Directives. AngularJS has a set of built-in directives which offers functionality to your applications. AngularJS also lets you define your own directives.*
  - ***Controllers*** *AngularJS controllers* ***c****ontrol the data of AngularJS applications. AngularJS controllers are regular JavaScript Objects.*