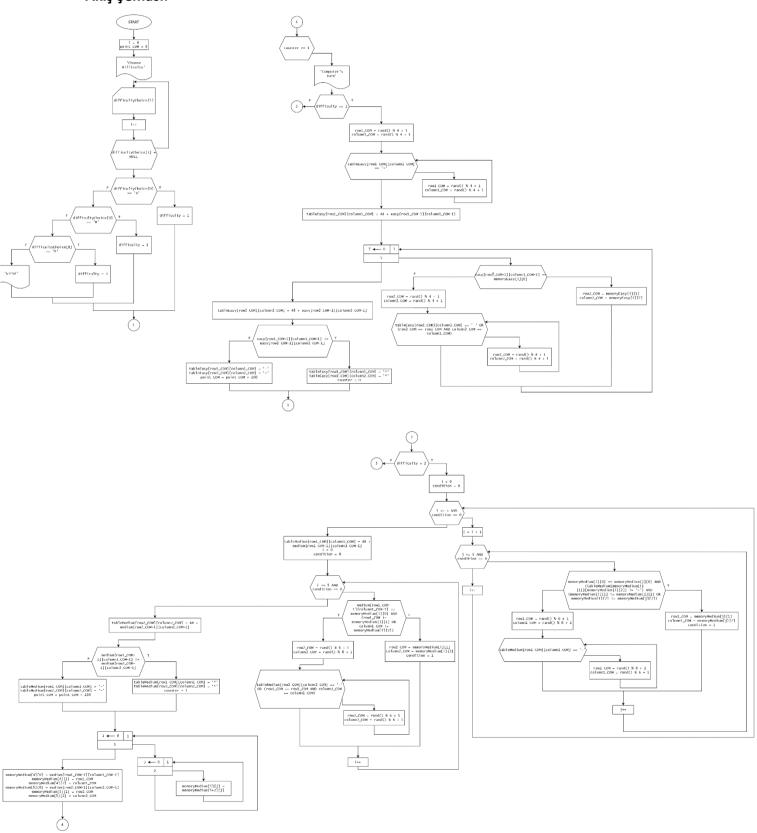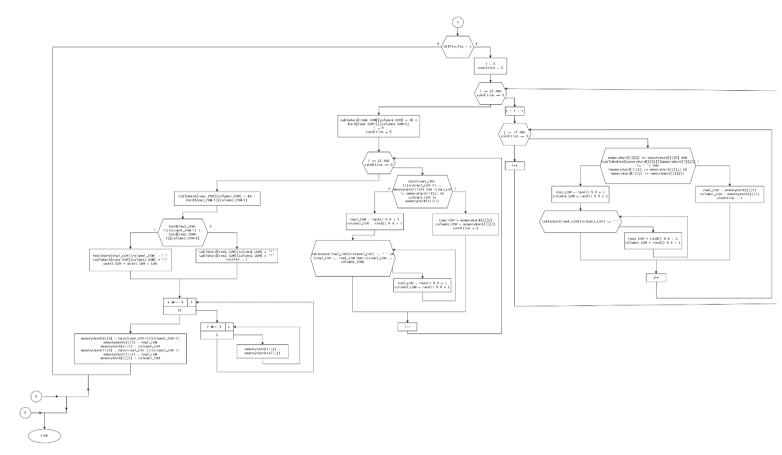# Bilgisayar Bilimlerine Giriş Projesi

Akış Şeması:

Örnek Çıktılar:

Easy 1:

```
8    2    5    5
6    1    2    7
4    6    7    3
8    1    4    3
```

```
C:\Users\emim\D

Computer's Turn
  0 1 2 3 4
1 * * * 5
2 * * * -
3 * * - *
4 * * * *
  0 1 2 3 4
1 * * * 5
2 * * * -
3 * * - *
4 * * * 3
  0 1 2 3 4
1 * * * *
2 * * * -
3 * * - *
4 * * * *
```

```
Computer's Turn
  0 1 2 3 4
1 - * * *
2 * * * -
3 * * - -
4 - * 4 -
  0 1 2 3 4
1 - * * *
2 6 * * -
3 * * - -
4 - * 4 -
  0 1 2 3 4
1 - * * *
2 * * * -
3 * * - -
4 - * * -
```

```
Computer's Turn
  0 1 2 3 4
1 - - - -
2 * * - -
3 * * - -
4 - * 4 -
  0 1 2 3 4
1 - - - -
2 * - - -
3 4 * - -
4 - * 4 -
  0 1 2 3 4
1 - - - -
2 * - - -
3 - - - -
4 - * - -
```

```
It's a Draw!
--------------------------------
Process exited after 228.9 seconds with return value 0
Press any key to continue . . . _
```

Easy 2:

```
Computer's Turn
 0 1 2 3 4
1 * - * *
2 - * * 2
3 * * * *
4 * * * *

 0 1 2 3 4
1 * - * *
2 - * * 2
3 * 8 * *
4 * * * *

 0 1 2 3 4
1 * - * *
2 - * * *
3 * * * *
4 * * * *
```

```
 0 1 2 3 4
1 4 - * 7
2 - * * *
3 * * * *
4 * * * *

 0 1 2 3 4
1 * - * *
2 - * * *
3 * * * *
4 * * * *
```

```
 0 1 2 3 4
1 * - * 7
2 - 7 * -
3 * * - -
4 - * - -

 0 1 2 3 4
1 * - * -
2 - - * -
3 * * - -
4 - * - -
```

```
Player Has Won!
 Amount of Guesses: 11
---------------------------------
Process exited after 127.9 seconds with return value 0
Press any key to continue . . .
```

Medium 1:

```
    8      3     13     10     12      6
    1     14     17     11     12     13
    4     18     16     15     11      3
   16     10      5      2     14      1
    7      2      6     18      4      9
    7     15     17      5      9      8
```

```
 0 1 2 3 4 5 6
1 - - - - - - -
2 - - * * - -
3 * * * - * -
4 * - * * - -
5 - * - * * -
6 - - * * - -
Player's Turn
Enter First Coordinates:
```

```
Computer's Turn
 0 1 2 3 4 5 6
1 - * * - * *
2 * - * * * *
3 * * * * * *
4 * * * * - *
5 7 * * * * *
6 * * * * * -

 0 1 2 3 4 5 6
1 - * * * * *
2 * - * * * *
3 * * * * * *
4 * * * * - *
5 7 * * * * *
6 7 * * * * -

 0 1 2 3 4 5 6
1 - * * * * *
2 * - * * * *
3 * * * * * *
4 * * * * - *
5 - * * * * *
6 - * * * * -
```

```
 0 1 2 3 4 5 6
1 - * * - * *
2 * - * * * *
3 * * * ? * *
4 * - * * - *
5 - * * * * *
6 - ? * * * -

 0 1 2 3 4 5 6
1 - * * - * *
2 * - * * * *
3 * * * - * *
4 * - * * - *
5 - * * * * *
6 - - * * * -
```

```
It's a Draw!
---------------------------------
Process exited after 376.4 seconds with return value 0
Press any key to continue . . .
```

Medium 2:

```
  7    11    18     3    15    16
 18     2     4    15     4     7
  2     6     1    10    16    13
  8     3     9     8    14    14
  5     5     1    17    11     9
  6    17    13    12    12    10
```

```
0 1 2 3 4 5 6
1 - * * * * @
2 * * * * 4 -
3 * * - * * *
4 * * * * * *
5 - - - * * *
6 * * * - - *

0 1 2 3 4 5 6
1 - * * * * *
2 * * * * * -
3 * * - * * *
4 * * * * * *
5 - - - * * *
6 * * * - - *
```

```
0 1 2 3 4 5 6
1 - * * * * -
2 * - - * - -
3 - * - * - *
4 * * * * * *
5 - - - * * *
6 * * * - - *
Player's Turn
Enter First Coordinates: _
```

```
0 1 2 3 4 5 6
1 - - - - - -
2 - - - - - -
3 - * - - - *
4 - - * - * *
5 - - - * - *
6 * * * - - -
Player's Turn
Enter First Coordinates: _
```

```
Computer Has Won!
 Amount of Guesses: 28
---------------------------------
Process exited after 311.9 seconds with return value 0
Press any key to continue . . .
```

Hard 1:

```
 14    22    18     3     7     5    10    26
 25    19     9    16    15     7    21    12
 11     6     9    15    21     1    24    13
  2    19    18    17    27    29    17    16
 31    28    31     8    32     1     4     2
 29    27     3    20    26    11     6    22
 30    13     8    12    30    32    14    23
 20    28    25     5    23    10     4    24
```

```
0 1 2 3 4 5 6 7 8
1 - * - * * * * *
2 * * * * * * - *
3 * * * * - * * *
4 * * - * * * * *
5 * * * * * * * *
6 * * * * * * * *
7 * * * * * * - *
8 * * * * * * * *
Player's Turn
Enter First Coordinates: _
```

```
0 1 2 3 4 5 6 7 8
1 - * - - * * * -
2 * * * - - * - *
3 * * * - - - * *
4 - * - * - * * -
5 * * * - - - * -
6 * - - * - * * *
7 * * - * * - - *
8 * * * * * * * *
```

```
Computer Has Won!
 Amount of Guesses: 48
---------------------------------
Process exited after 625.6 seconds with return value 0
Press any key to continue . . . _
```

Hard 2:

```
29    28    22     2     7     6    20    15        0 1 2 3 4 5 6 7 8
24     8    14     3    26    21    32    26        1 * * * - * * * *
18    27    10     2    16    25    20    30        2 * - * * * * * *
23     4    17    21     9    31    14     4        3 * * * - * * * *
31    19     6    32    17    16    23    12        4 * * * * - * * *
13     9    12    10     8     5    30    15        5 * * * * * * * *
27     5    13    11    19    29    18     7        6 * - * * - * * *
22    25     1     1     3    28    11    24        7 * * * * * * * *
                                                   8 * * * * * * * *
```

```
0 1 2 3 4 5 6 7 8
1 * * * - - * * *
2 * - - - - * - -
3 * * * - * * * *                    0 1 2 3 4 5 6 7 8
4 * 4 * * - * - *                    1 - * - - - * - *
5 * * * - * * * -                    2 * - - - - * - -
6 - - - * - - * *                    3 * * * - - - - *
7 * - - * * * * -                    4 * - - * - - - -
8 * * * * - * * *                    5 - * * - - - * -
                                     6 - - - * - - * *
0 1 2 3 4 5 6 7 8                    7 * - - - * - * -
1 * * * - - * * *                    8 - - * * - * - *
2 * - - - - * - -                    Player's Turn
3 * * * - * * * *                    Enter First Coordinates:
4 * 4 * * - * - 4
5 * * * - * * * -
6 - - - * - - * *
7 * - - * * * * -                    Computer Has Won!
8 * * * * - * * *                     Amount of Guesses: 43
                                     --------------------------------
0 1 2 3 4 5 6 7 8                    Process exited after 457.5 seconds with return value 0
1 * * * - - * * *                    Press any key to continue . . . _
2 * - - - - * - -
3 * * * - * * * *
4 * - * * - * - -
5 * * * - * * * -
6 - - - * - - * *
7 * - - * * * * -
8 * * * * - * * *
```

Video Linki:

https://youtu.be/Fr_0HG6XDKU

Hocam videoda puanları yanlış söylemişim. 900, 1000 olacak. 1700 de 1900 olacak.

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