

# CSE 102 Spring 2024 –Computer Programming Assignment 7

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YOUTUBE : <https://youtu.be/FrylfyAYa4M>

```
+-----+-----+-----+-----+-----+-----+-----+
|       | 2 | 2 | 2 | 2 | 2 | 2 |       |
| 0  +---+---+---+---+---+---+ 0  |
|       | 2 | 2 | 2 | 2 | 2 | 2 |       |
+-----+-----+-----+-----+-----+
Your turn. Select a cup (1-6): 1
+-----+-----+-----+-----+-----+
|       | 2 | 2 | 2 | 2 | 2 | 2 |       |
| 0  +---+---+---+---+---+---+ 0  |
|       | 0 | 3 | 3 | 2 | 2 | 2 |       |
+-----+-----+-----+-----+-----+
Computer's turn: 1
+-----+-----+-----+-----+-----+
|       | 2 | 2 | 2 | 3 | 3 | 0 |       |
| 0  +---+---+---+---+---+---+ 0  |
|       | 0 | 3 | 3 | 2 | 2 | 2 |       |
+-----+-----+-----+-----+-----+
Your turn. Select a cup (1-6): 2
+-----+-----+-----+-----+-----+
|       | 2 | 2 | 2 | 3 | 3 | 0 |       |
| 0  +---+---+---+---+---+---+ 0  |
|       | 0 | 0 | 4 | 3 | 3 | 2 |       |
+-----+-----+-----+-----+-----+
Computer's turn: 2
+-----+-----+-----+-----+-----+
|       | 2 | 3 | 3 | 4 | 0 | 0 |       |
| 0  +---+---+---+---+---+---+ 0  |
|       | 0 | 0 | 4 | 3 | 3 | 2 |       |
+-----+-----+-----+-----+-----+
Your turn. Select a cup (1-6): 3
The last stone lands in your large cup. You get another turn.
+-----+-----+-----+-----+-----+
|       | 2 | 3 | 3 | 4 | 0 | 0 |       |
| 0  +---+---+---+---+---+---+ 1  |
|       | 0 | 0 | 0 | 4 | 4 | 3 |       |
+-----+-----+-----+-----+-----+
Select a cup (1-6): 4
```

Your turn. Select a cup (1-6): 4  
The last stone lands in your large cup. You get another turn.

```
+-----+
|      | 2 | 3 | 0 | 0 | 0 | 0 |      |
|10  +---+ 2 |
|      | 1 | 1 | 0 | 0 | 3 | 2 |      |
+-----+
```

Select a cup (1-6): 5  
The last stone lands in an empty cup. Computer takes the turn.

```
+-----+
|      | 2 | 3 | 0 | 0 | 0 | 1 |      |
|10  +---+ 3 |
|      | 1 | 1 | 0 | 0 | 0 | 3 |      |
+-----+
```

Computer's turn: 5

```
+-----+
|      | 3 | 0 | 0 | 0 | 0 | 1 |      |
|11  +---+ 3 |
|      | 2 | 1 | 0 | 0 | 0 | 3 |      |
+-----+
```

Your turn. Select a cup (1-6): 6  
The last stone lands in an empty cup. Computer takes the turn.

```
+-----+
|      | 3 | 0 | 0 | 0 | 1 | 2 |      |
|11  +---+ 4 |
|      | 2 | 1 | 0 | 0 | 0 | 0 |      |
+-----+
```

Computer's turn: 6

```
+-----+
|      | 0 | 0 | 0 | 0 | 1 | 2 |      |
|12  +---+ 4 |
|      | 3 | 2 | 0 | 0 | 0 | 0 |      |
+-----+
```

Your turn. Select a cup (1-6): 1

Your turn. Select a cup (1-6): 6  
The last stone lands in your large cup. You get another turn.

```
+-----+
|      | 0 | 1 | 0 | 0 | 0 | 0 |      |
|20  +---+ 2 |
|      | 1 | 0 | 0 | 0 | 0 | 0 |      |
+-----+
```

Select a cup (1-6): 1  
The last stone lands in an empty cup. Computer takes the turn.

```
+-----+
|      | 0 | 1 | 0 | 0 | 0 | 0 |      |
|20  +---+ 2 |
|      | 0 | 1 | 0 | 0 | 0 | 0 |      |
+-----+
```

Computer's turn: 5  
The last stone lands in an empty cup. Computer takes the turn.

```
+-----+
|      | 1 | 0 | 0 | 0 | 0 | 0 |      |
|20  +---+ 2 |
|      | 0 | 1 | 0 | 0 | 0 | 0 |      |
+-----+
```

Your turn. Select a cup (1-6): 2  
The last stone lands in an empty cup. Computer takes the turn.

```
+-----+
|      | 1 | 0 | 0 | 0 | 0 | 0 |      |
|20  +---+ 2 |
|      | 0 | 0 | 1 | 0 | 0 | 0 |      |
+-----+
```

Computer's turn: 6

```
+-----+
|      | 0 | 0 | 0 | 0 | 0 | 0 |      |
|21  +---+ 2 |
|      | 0 | 0 | 1 | 0 | 0 | 0 |      |
+-----+
```

Game over!