Ahmed Hamza

Lab # Screenshots of Running Results

1. Program 1 Screenshot.

```
| Res Edit Selection View Go Run | Reminut | Relegy | LabiProgramDage | Control | Cont
```

2. Program 2 Screenshot.

```
þ
                   int main() {
    int toothpicks = 23;
    int humanChoice, computerChoice;
    bool isHumanTurn = true;
4
                         while (toothpicks > 0) {
    if (isHumanTurn) {
        do {
            cout << "Player: ";
            cin >> humanChoice;
        } while (humanChoice < 1 || humanChoice > 3 || humanChoice > toothpicks);
}
÷
                                      toothpicks -= humanChoice;
cout << "(" << toothpicks << " toothpicks left)" << endl;</pre>
                              cout << (
} else {

if (toothpicks > 4) {

computerChoice = 4 - humanChoice;
} else if (toothpicks > 1) {

computerChoice = toothpicks - 1;

else if (computerChoice = 1;

computerChoice = 1;
                                       toothpicks -= computerChoice;
cout << "Computer: " << computerChoice << " (" << toothpicks << " toothpicks left)" << end;</pre>
                                                                                                                                                                                                                                                                                                                              > Code + ~ □ 🛍 ··· ^ ×
                           icks left)
3 (7 toothpicks left)
          10 co-
computer: 3 (7 to-
player: 4
(5 toothpicks left)
Computer: 2 (3 toothpicks left)
Player: 2
(6 toothpicks left)
Computer (3 toothpicks left)
Computer wins!
Computer wins!
                             ns!
\Ahmed Hamza\Desktop\Towson University\Fundamentals of DSA\Lab 03\pslab03_starters> []
                                                                                                                                                                                                                                                                             Ln 27, Col 21 Spaces: 4 UTF-8 CRLF {} C++ @ Go Live Win32 📈 🚨
                                                                                             🚆 Q Search
                                                                                                                                                                                                                                                                                     へ 👄 🛜 Ф) 🖢 8:34 pm 🕹
27/09/2023 🥹
```

3. Program 3 Screenshot.

```
| March | Continue | C
```