## Lab 7 Min max algorithm with application

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## **CODE:**

```
# Initial values of Alpha and Beta
MAX, MIN = 1000, -1000
def minimax(depth, nodeIndex, maximizingPlayer,
            values, alpha, beta):
    if depth == 3:
        return values[nodeIndex]
    if maximizingPlayer:
        best = MIN
        for i in range (0, 2):
            val = minimax(depth + 1, nodeIndex * 2 + i,
                           False, values, alpha, beta)
            best = max(best, val)
            alpha = max(alpha, best)
            if beta <= alpha:</pre>
        return best
       best = MAX
```

## **OUTPUT:**

```
Enter number of elements: 8

0

-3

3

4

5

6

-5

0

The optimal value is: 0
```