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**Section:BSAI-3A**  
**Subject:AI LAB**  
**Task 8**

### **Min max algorithm**

```
#import math
```

```
# score = [1, 2, 3, 4]
```

```
# Tree_depth = (math.log(len(score), 2))
```

```
# def minmax(curr_depth, curr_index, is_Max):
```

```
#     if(curr_depth == Tree_depth):
```

```
#         return score[curr_index]
```

```
#     if(is_Max):
```

```
#         return max(minmax(curr_depth + 1, curr_index * 2, False),
```

```
#                     minmax(curr_depth + 1, curr_index * 2 + 1, False))
```

```
#     else:
```

```
#         return min(minmax(curr_depth + 1, curr_index * 2, True),
```

```
#                     minmax(curr_depth + 1, curr_index * 2 + 1, True))
```

```
# print(minmax(0, 0, True))
```

