



SUPERIOR UNIVERSITY

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Section:BSAI-3A

Subject:AI LAB

Task 8

Min max algorithm:

```
def min_max(arr, isMaximizing):
```

```
#   if len(arr) == 1:
```

```
#       return arr[0]
```

```
#   if isMaximizing:
```

```
#       best = -float('inf')
```

```
#       for value in arr:
```

```
#           best = max(best, value)
```

```
#       return best
```

```
# else:
#     best = float('inf')
#     for value in arr:
#         best = min(best, value)
#     return best
# if __name__ == "__main__":
#     arr = [3, 5, 2, 9, 12, 5, 23, 23]

#     max_value = min_max(arr, True)
#     print(f"The maximum value is: {max_value}")

#     min_value = min_max(arr, False)
#     print(f"The minimum value is: {min_value}")
```

```
The maximum value is: 23
The minimum value is: 2
```