

Print All Pairs in an Array (Nested Loops)

```
# □ Print All Pairs in an Array using Nested Loops (Python)
# -----
# This program:
# 1. Creates a sample array
# 2. Uses nested for-loops to print all possible pairs

arr = [1, 2, 3, 4]

print("All possible pairs are:\n")

for i in range(len(arr)):
    for j in range(i + 1, len(arr)): # j > i to avoid duplicates &
        self-pairs
        print(f"({arr[i]}, {arr[j]})")
```

All possible pairs are:

```
(1, 2)
(1, 3)
(1, 4)
(2, 3)
(2, 4)
(3, 4)
```