Pairs

1. To include pairs, you have to import the utility header file:

```
#include <utility>
```

2. The syntax to create a pair is :

```
pair <data_type1, data_type2> Pair_name
```

3. The first element of a pair is referenced as **first** and the second element as **second**.
4. Pairs can be assigned, copied and compared.

```cpp
void explainPair(){
    pair<int, int> p = {1, 3};
    cout<<p.first<<" "<<p.second;
    pair<int, pair<int, int>> p = {1,{3, 4}};
    cout<<p.first<<" "<<p.second.second<<" "<<p.second.first;
    pair<int, int> arr[] = {{1, 2}, {2, 5}, {5, 1}};
    cout<<arr[1].second;
}
```