Pair

→ container to store (x, y)

→ present in <utility>

→ creation:

pair <int, int> p1;

→ initialization:

p1 (a, b); (while creation)

p1 = {1, 2};

p1 = make_pair (1, 2); → function for initializing.

p1.first = 1;
p2.second = 2; → accessing elements.

→ operators used directly on pairs:

==

!=

→ note: a vector of pairs is possible to create.

vector <pair <int, char>> V;

note : in sort(begin, end,) → comparator can be used to sort using a given logic.

eg -

```
bool mycomp(int &a, int &b)
{
    return a > b;          // sort in desc order
}

int main()
{
    vector<int> v = {4, 3, 2, 1};
    sort(v.begin(), v.end(), mycomp);
}
```

∴ this can be used in sorting of a vector of pairs.