Lesson 14 CPP Pair

If we want to register two different values in type, we want to register the phone number and address and associate them.

In this lesson, we will learn about a powerful feature in the c++ language, through which we can associate two different values in the type date type, called **pair**.

```cpp
#include <iostream>
#include <string>
#include <utility>
using namespace std;
int main() {
//define the pair
pair <string, int> x;
x.first = "Gammal Tech";
//first element
x.second = 123456789;
//second element
cout << x.first << endl;
cout << x.second << endl;
//printing two elements
```

```
}
```

output:

Gammal Tech

123456789

Or we can use array :

```
#include <iostream>
#include <string>
#include <utility>
using namespace std;
int main() {
pair <string, int> x[3];
for (int i = 0; i < 3; i++) {
cout << "Enter name : ";
cin >> x[i].first;
cout << "Enter number : ";
cin >> x[i].second;
}
for (int i = 0; i < 3; i++)
cout <<i+1<<") "<< x[i].first << " " << x[i].second << endl;
}
```

input:

Ahmed 45628

Ali 78125

Omar 89635

output:

1) Ahmed 45628

2) Ali 78125

3) Omar 89635