

## Returns the pointer from the function in C ++

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As we have seen how C ++ allows to return an array from a function, similarly, C ++ allows you to return a pointer from a function. To do this, you must declare a function that returns a pointer as follows:

```
int * tenHam () { . . . }
```

The second thing to keep in mind is that it is not a good idea to return the address of a local variable to the periphery of a function, so you will have to define a local variable as a static variable.

Now suppose the following function will generate 10 random numbers and return them using an array name that represents a pointer, for example, the first address of the first array element.

```
#include #include #include using namespace std ; // phan dinh nghia ham de tao
```

Running the above C ++ program will produce the following results:

```
16732
2113
22915
32027
28840
19889
22387
16330
32097
2672
Gia tri cua *(p + 0) : 16732
Gia tri cua *(p + 1) : 2113
Gia tri cua *(p + 2) : 22915
Gia tri cua *(p + 3) : 32027
Gia tri cua *(p + 4) : 28840
Gia tri cua *(p + 5) : 19889
Gia tri cua *(p + 6) : 22387
Gia tri cua *(p + 7) : 16330
Gia tri cua *(p + 8) : 32097
Gia tri cua *(p + 9) : 2672
```

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