

Module 3 CT

Code:

```
Module 1 CT.pdf dynamicArray.cpp U
dynamicArray.cpp > main()
1  #include<iostream>
2  using namespace std;
3
4  int main()
5  {
6      int num1, num2, num3;
7
8      cout<<"Enter three numbers: " <<endl;
9      cin>> num1 >> num2 >> num3;
10
11     int* p1 = new int;
12     int* p2 = new int;
13     int* p3 = new int;
14
15     *p1 = num1;
16     *p2 = num2;
17     *p3 = num3;
18
19     cout<< "Values and Pointers:" << endl;
20     cout<<"First value: " << num1 <<" new value: "<< *p1 <<endl;
21     cout<<"Second value: " << num2 <<" new value: "<< *p2 <<endl;
22     cout<<"Third value: " << num3 <<" new value: "<< *p3 <<endl;
23
24     delete p1;
25     delete p2;
26     delete p3;
27     (const char [25])"Memory has been realeased"
28     cout<<"Memory has been realeased"<< endl;
29     return 0;
30 }
```

Output:

```
Enter three numbers:
20 40 10
Values and Pointers:
First value: 20 new value: 20
Second value: 40 new value: 40
Third value: 10 new value: 10
Memory has been realeased
PS C:\Users\miguel\OneDrive\Linkdenlearning>
```