```
#include <iostream>
         Main memory
                           using namespace std;
             Stack
                           int main(){
                             int x = 10;
              main
                             int* p = NULL;
               5
      X
                             p = &x;
         address in heap
                             *p = 5;
                             p = new int;
                             *p = 20;
                             cout << "Value at p: " << *p << endl;
Freed *
                             cout << "Value of x: " << x << endl;
              Heap
          Const + Global
                             delete p; free address stored in p (the heap address)
                                          Will reveal in the next figure
              Code
```