Memory Diagram

Sunday, June 6, 2021 9:11 PM

```
/***********************
 Point** pArr = new Point*[3];
Heap:
pArr:
pArr[0]
       pArr[1]
              pArr[2]
/**********************
  pArr[idx] = new Point( newX: 1, newY: 1);
Heap:
pArr:
Address to Point(1,1) | Address to Point(1,1) | Address to Point(1,1)
pArr[0]
                  pArr[1]
                                   pArr[2]
for (int idx=0; idx<3; idx++)</pre>
   cout << "Deleting " << *pArr[idx] << " at location " << pArr[idx] << endl;</pre>
   delete pArr[idx];
Heap:
pArr: Delete each elements of the array on the heap
pArr[0]
       pArr[1]
              pArr[2]
delete[] pArr; // Delete array of pointers
Heap: Delete pArr on the Heap:
```