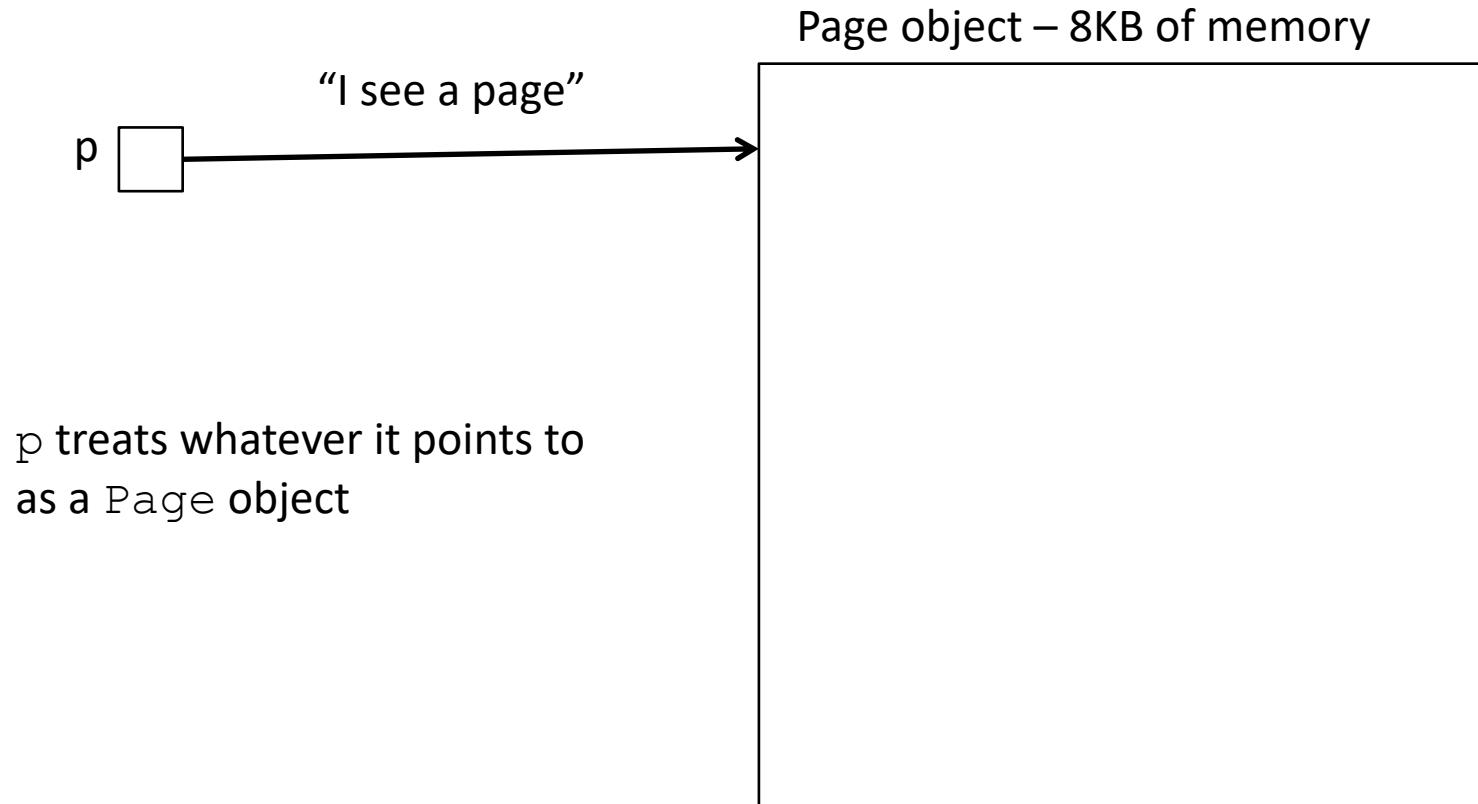
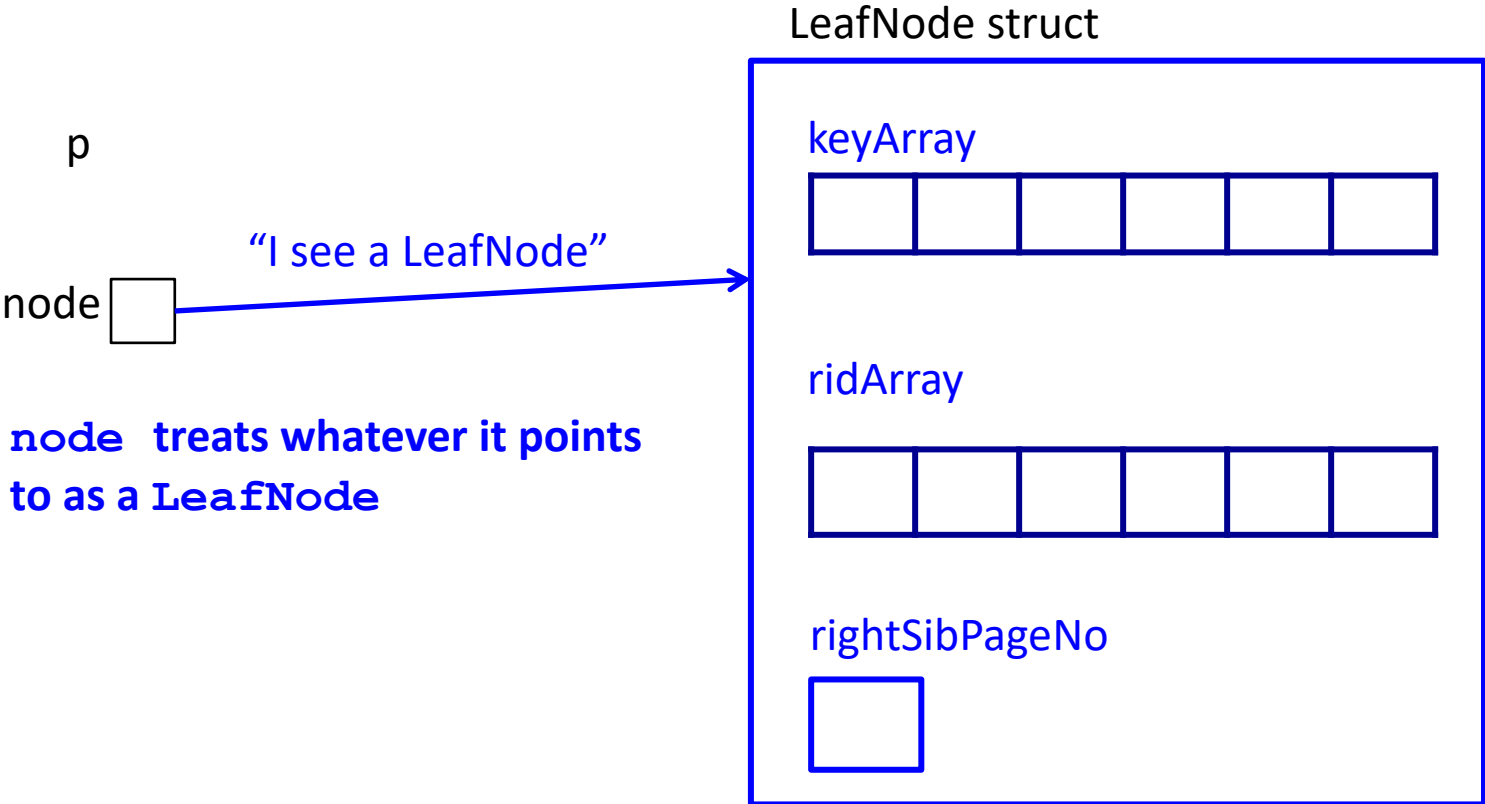


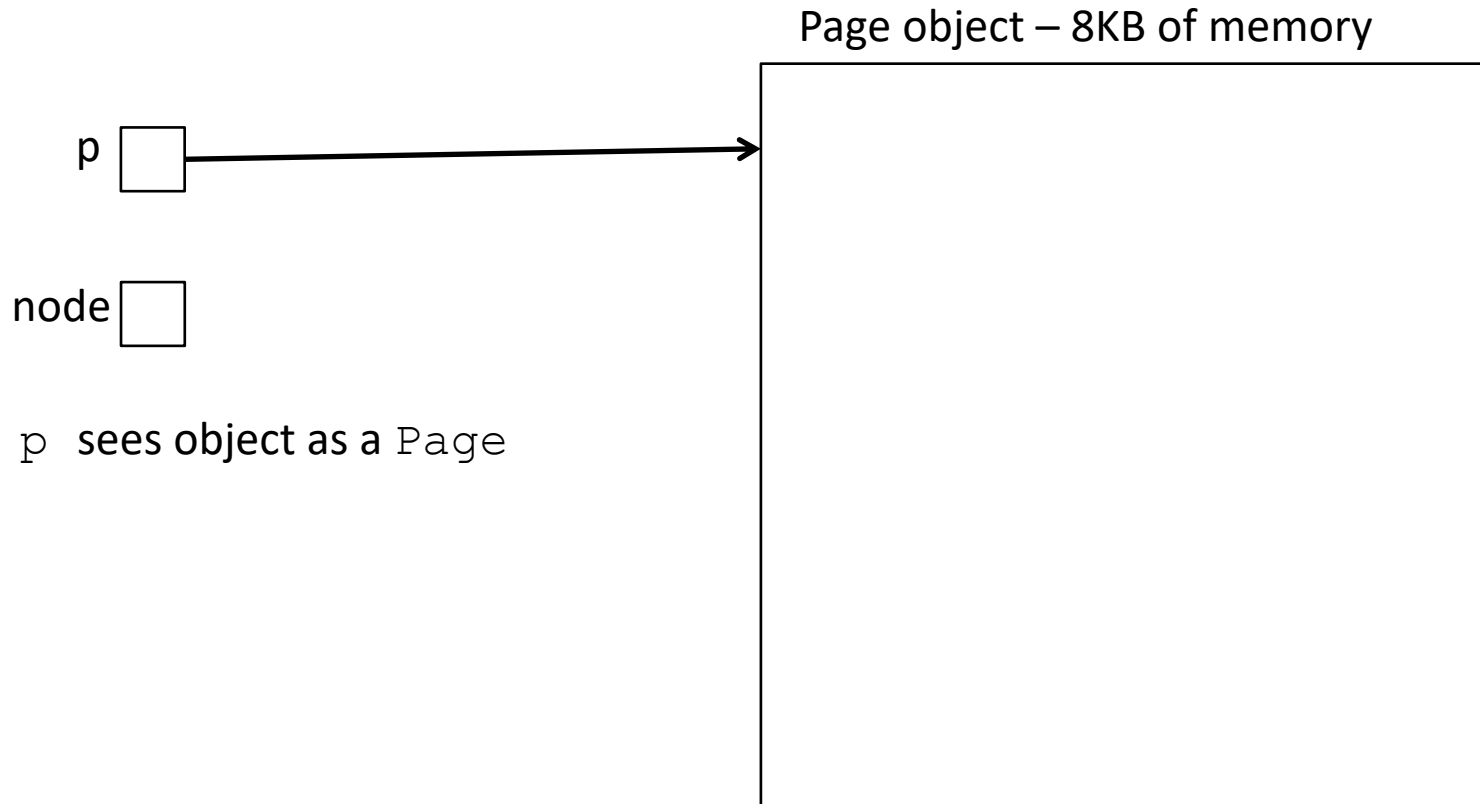
```
Page* p;  
bufferManager->allocatePage(file, pid, p);  
//Gets a "Raw" Page from a RawFile
```



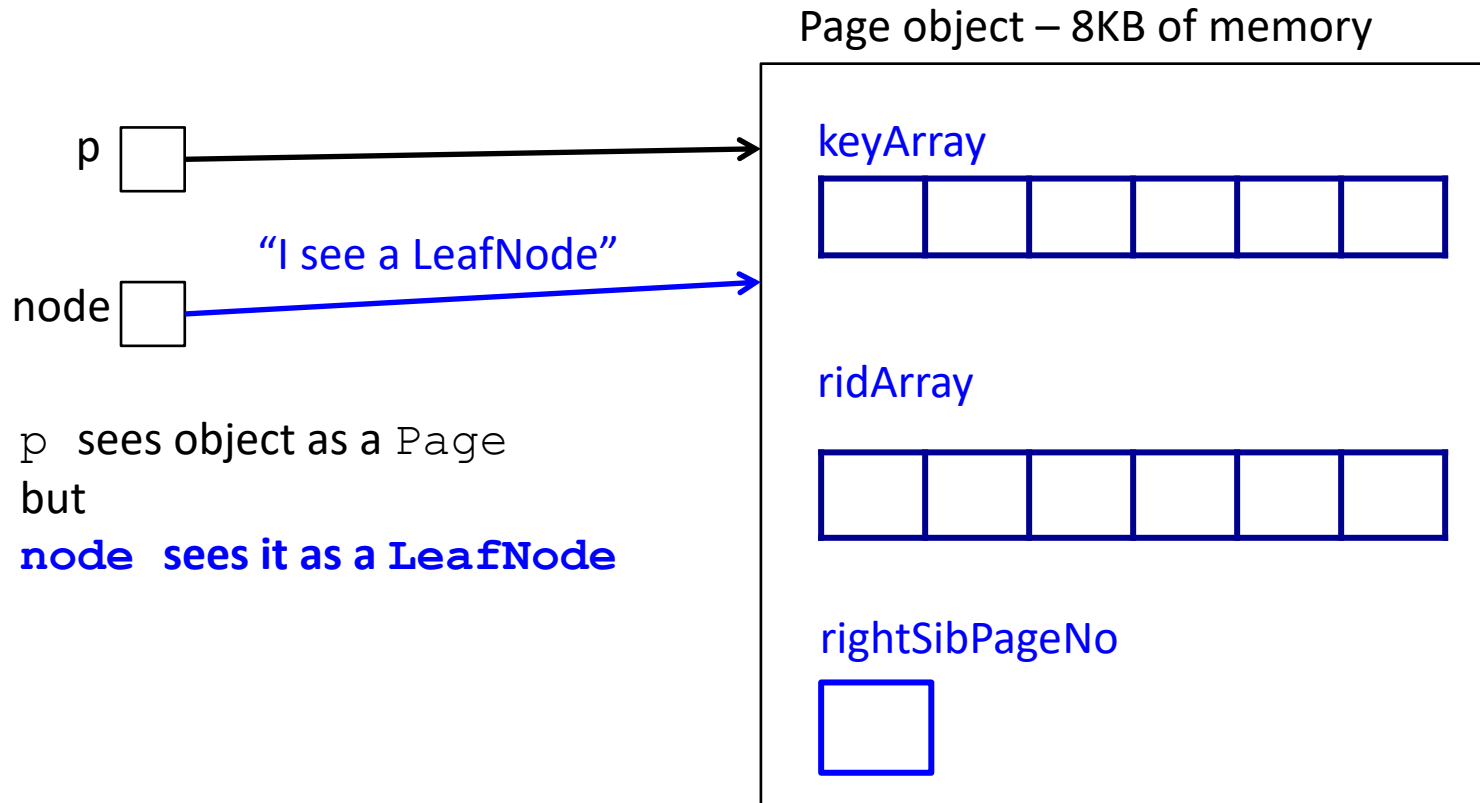
```
LeafNode* node = new LeafNode;
```



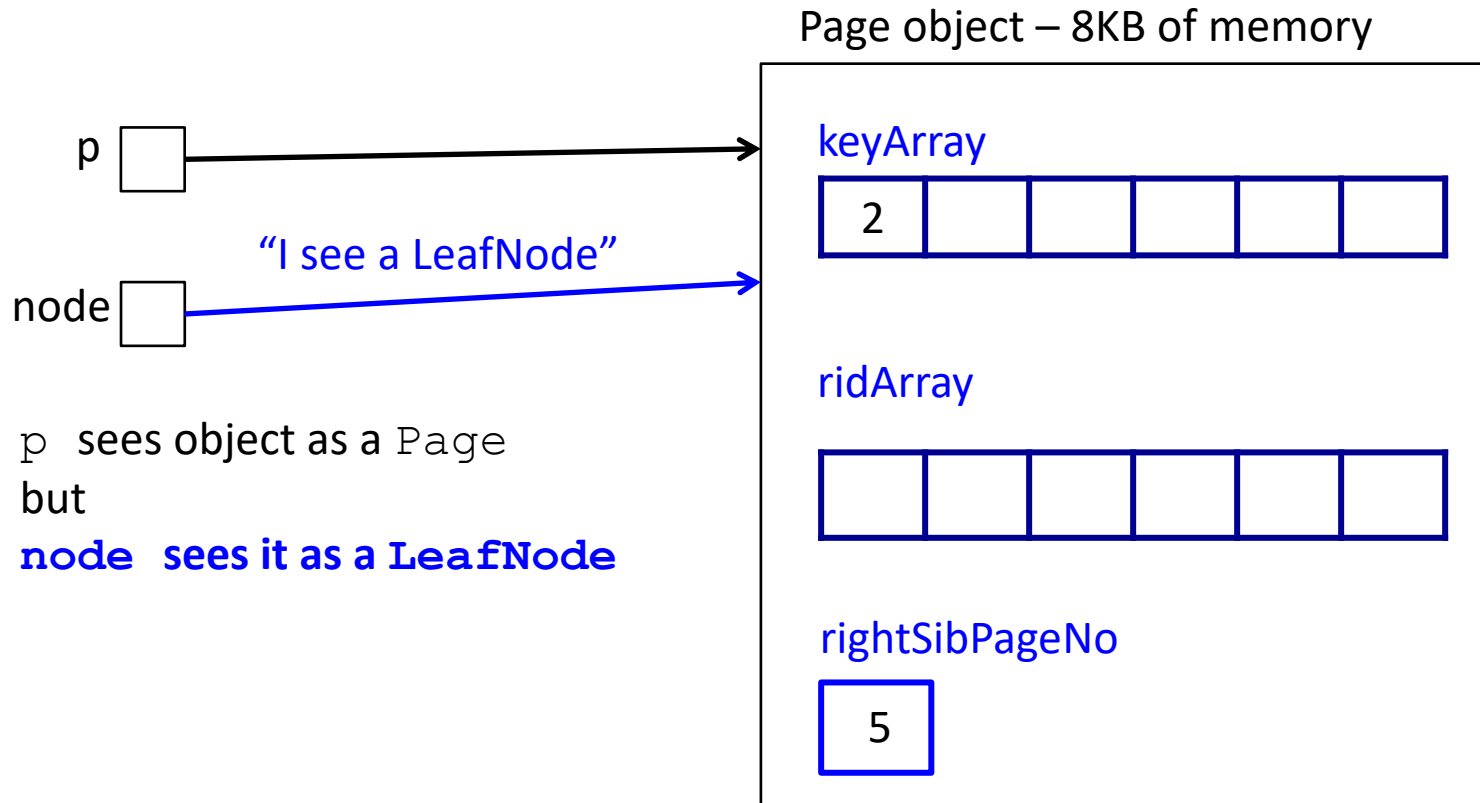
```
Page* p;  
bufferManager->allocatePage(file, pid, p);  
LeafNode* node;
```



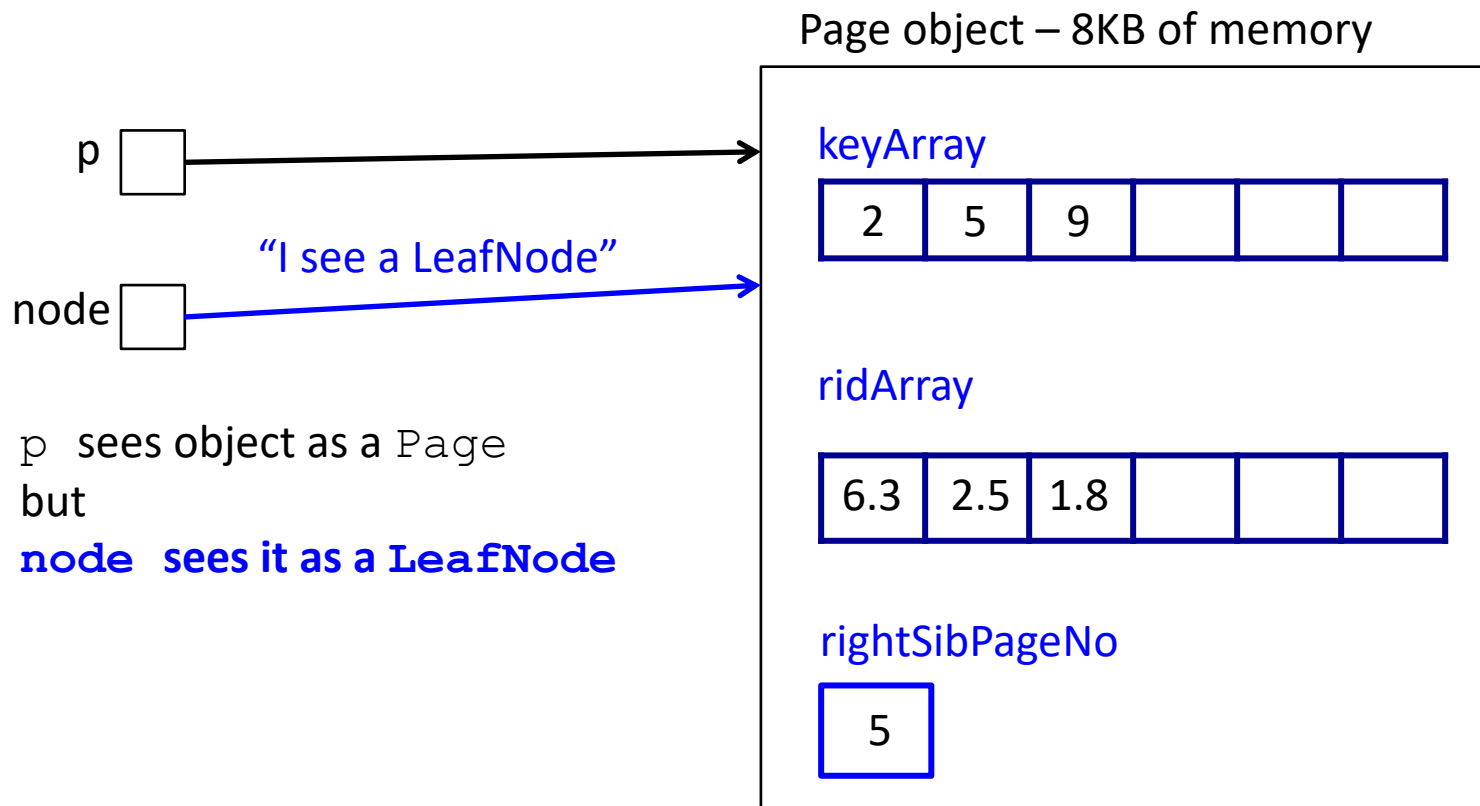
```
Page* p;  
bufferManager->allocatePage(file, pid, p);  
LeafNode* node;  
node = (LeafNode*) p;
```



```
Page* p;  
bufferManager->allocatePage(file, pid, p);  
LeafNode* node;  
node = (LeafNode*) p;  
node->keyArray[0] = 2;  
node->rightSibPageNo = 5;
```

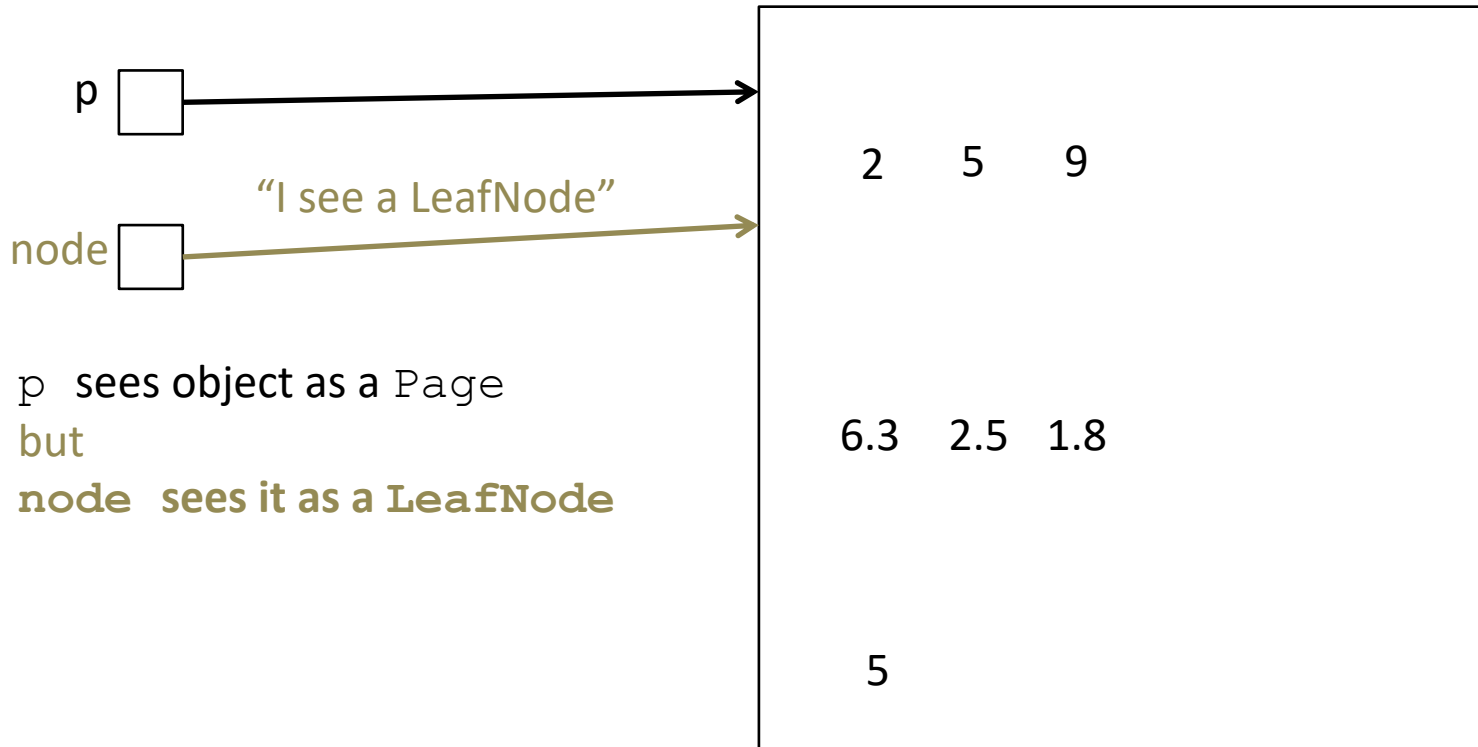


```
Page* p;  
bufferManager->allocatePage(file, pid, p);  
LeafNode* node;  
node = (LeafNode*) p;  
node->keyArray[0] = 2;  
node->rightSibPageNo = 5;  
...
```



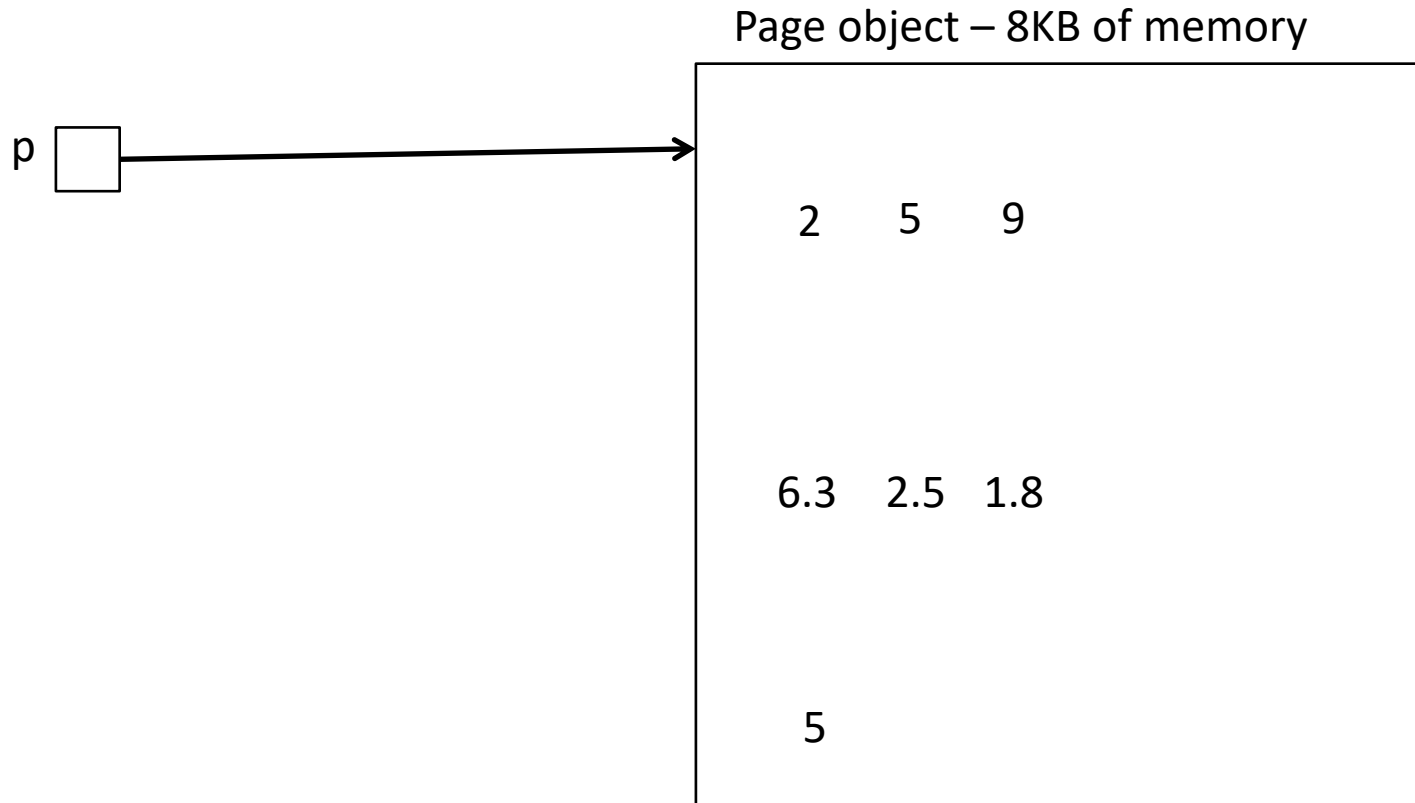
```
Page* p;  
bufferManager->allocatePage(file, pid, p);  
LeafNode* node;  
node = (LeafNode*) p;  
node->keyArray[0] = 2;  
node->rightSibPageNo = 5;  
...
```

bufferManager->writePage(p) Page object – 8KB of memory



`p` sees object as a Page
but
`node` sees it as a LeafNode

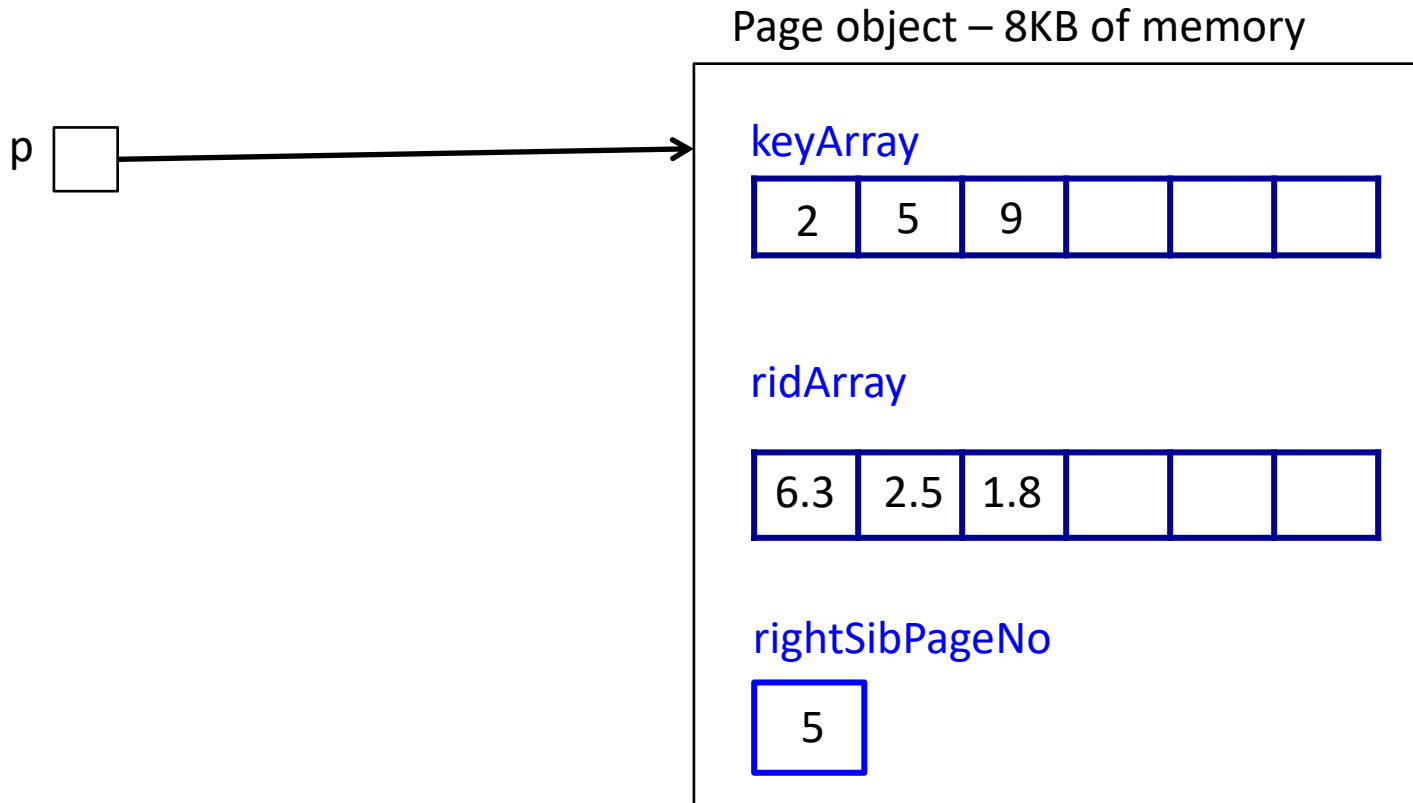
```
Page* p;  
bufferManager->readPage(file, pid, p);  
return ((LeafNode*)p)->keyArray[2];
```




```
Page* p;  
bufferManager->readPage(file, pid, p);  
return ((LeafNode*)p)->keyArray[2];
```



Look at is if it were a leaf node



```
Page* p;  
bufferManager->readPage(file, pid, p);  
return ((LeafNode*)p)->keyArray[2];
```

Look at is if it were a leaf node



Page object – 8KB of memory

