## **Part A: Pointers**

- 1) a) Write a line of code using the "typedef" command int \*p Birther P
  - b)Explain why the "typedef" command might be useful when dealing with pointers

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type-def will help with no confusion when declaring pointer and also when creating alsos type definition if we need to send a pointer as a parameter to a function.
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2) Assume the following code has been run:

```
int *p1, *p2, v1, v2;

p1 = &v1;

p1 = 42;
```

a) Explain what happen in lines 2 and 3

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at line a assign pointer \rho_I to point at the address of \nu_I and get the value of \nu_I at line a assign value we into pointer \rho_I
```

- - 3) What is a dangling pointer?

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the pointer that doesn't point anywhere or the pointer that point to the namony that has been deleted.
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4) a) Suggest a situation where you might need a "Destructor"

```
when dealing with dynamic amou
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- b) If the class is called 'person', what should your destructor function be named?
- c) Given a destructor, why would you need a 'copy constructor'?

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When the destructor called it will delete the object that passed out of the scope therefore when we use that object again it will be undefined. So we need to use Capyconstructor to create an abject by initializing an object of the same class that have been created previously.
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