

lecture 198

```
int main()
```

```
{ // ptr define by base class  
  Base* ptr;
```

```
  ptr = new Derived();
```

```
  ptr->func1(); ✓
```

```
  ptr->func2(); ✓
```

```
  ptr->func3(); ✓
```

```
  ptr->func4(); ✗
```

```
  ptr->func5(); ✗
```

```
  return 0;
```

```
}
```



wow it's possible

ptr → defined by

base class

& but instantiated w/ Derived

class!!!

you can only call function in Base class

```
class Base
```

```
{ public:
```

```
  void func1();
```

```
  void func2();
```

```
  void func3();
```

```
}
```

```
class Derived: public  
  Base
```

```
{ public:
```

```
  void func4();
```

```
  void func5();
```

```
int main( )
```

```
{
```

```
    Derived * p;
```

```
    p = new Base();
```

↓

we cannot call
this way. . .

```
}
```

The methods of
advanced (Derived Class)
does not present in Base
class, Hence above is not
possible...