**Exercise 1:** Given the following C++ code:

**class A {**

**public :**

**int x;**

**A \*objARef;**

**private :**

**int y;**

**protected :**

**int z;**

**};**

**class B : public A {**

**public :**

**A objA;**

**};**

**class C {**

**public :**

**A objA;**

**A \*objARef;**

**B objB;**

**};**

Determine for each of the following attribute-access-expressions whether it results in an Error (Wrong) or not (OK).

|  |  |  |  |
| --- | --- | --- | --- |
|  | **in class A** | **in class B** | **in class C** |
| **x** |  |  |  |
| **y** |  |  |  |
| **z** |  |  |  |
| **objA.x** |  |  |  |
| **objA.y** |  |  |  |
| **objA.z** |  |  |  |
| **objARef->x** |  |  |  |
| **objARef->y** |  |  |  |
| **objARef->z** |  |  |  |
| **objB.x** |  |  |  |
| **objB.y** |  |  |  |
| **objB.z** |  |  |  |