



CS1004 - Object Oriented Programming Quiz 4



Date: 29th March, 2023

Consider the following class definition for class first and answer all the questions based on this definition:

```
class first
{
public:
    void setX();
    void print const();
protected:
    int y;
    void setY(int a);
private:
    int x;
};
```

- a. Suppose that class second is derived from class first using the statement:

```
class second: private first
```

Determine which members of class first are private, protected, and public in class second.

- b. Suppose that class third is derived from class first using the statement:

```
class third: protected first
```

Determine which members of class first are private, protected, and public in class third.

- c. Suppose that class fourth is derived from class first using the statement:

```
class fourth: public first
```

Determine which members of class first are private, protected, and public in class fourth.

- d. Suppose that class fifth is derived from class first using the statement:

```
class fifth: first
```

Determine which members of class first are private, protected, and public in class fifth.