1. Do you see any application for *lambda* functions in C++?

Answer: Yes , there are applications for lambda in c++, as lambdas are used to encapsulate a few lines of code that are passed to algorithms or asynchronous functions.

1. Is int a class or an object? Is a in int a; a class or an object?

Answer : int is a special class and in general used as a container or a data type to declare variables of INTEGER type. int a; Based on my knowledge we can call ‘a’ as a object of int type but int is not an object it is a primitive type.

1. If you were to create a type or class called *complex\_number* which has all the operations of an int, what operators would you have to overload to create a *complex\_number* class?

Answer: There can be many operators which can be overloaded depending on what we have to do in the program, but generally we can say for integral operations, <,>,+,-,= can be overloaded.