**Exercise 13.1, Research Java Exceptions**

**Unchecked Exceptions**

**ClassCastException**

It is used in a situation when we try to cast an integer to string where string is not a subclass of integer, ClassCastException is thrown.

**IllegalStateException**

This can be used in an instance when a caller is trying to call an object which is not properly initialized.

**StackOverflowError**

When the stack is full, stackoverflow error pops, typically this is caused when our recursive functions doesn’t have a termination code because of which it ends up calling itself again and again.

**Checked Exceptions**

**ParseException**

A parse exception is raised whenever a parse object issues an invalid request, such as deleting or editing an object that no longer exists on the server, or when there is a network failure preventing communication with the parse server.

**NoSuchFieldException**

Exception occurs when one tries to refer to a non-existing field of a class

**InstantiationException**

When trying to create an instance of a class where it cannot be instantiated fox example such as trying to create an instance of an abstract class