1. What is difference between Checked Exception and Unchecked Exception?

**Checked Exception:** The classes that extend Throwable class except RuntimeException and Error are known as checked exceptions e.g.IOException, SQLException etc. Checked exceptions are checked at compile-time.

**Unchecked Exception:** The classes that extend RuntimeException are known as unchecked exceptions e.g. ArithmeticException,NullPointerException etc. Unchecked exceptions are not checked at compile-time.

### 2. Is it necessary that each try block must be followed by a catch block?

It is not necessary that each try block must be followed by a catch block. It should be followed by either a catch block OR a finally block. And whatever exceptions are likely to be thrown should be declared in the throws clause of the method.

3. What is difference between throw and throws?

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| **throw keyword** | **throws keyword** |
| 1)throw is used to explicitly throw an exception. | throws is used to declare an exception. |
| 2)checked exceptions can not be propagated with throw only. | checked exception can be propagated with throws. |
| 3)throw is followed by an instance. | throws is followed by class. |
| 4)throw is used within the method. | throws is used with the method signature. |
| 5)You cannot throw multiple exception | You can declare multiple exception e.g. public void method()throws IOException,SQLException. |