## Exception Handling

1. **How to create custom Exception?**

* We can create our own exceptions by extending 'Exception' class
* We can create checked or unchecked custom exception
* While creating a custom exception, prefer to create an unchecked, Runtime exception than a checked exception, especially if you know that client is not going to take any reactive action other than logging.
* Apart from providing default no argument constructor on your custom Exception class, consider providing at least two more constructors, one which should accept a failure message and other which can accept another Throwable as the cause

public class MyOwnException {

public static void main(String[] a){

try{

MyOwnException.myTest(null);

} catch(MyAppException mae){

System.out.println("Inside catch block: "+mae.getMessage());

}

}

static void myTest(String str) throws MyAppException{

if(str == null){

throw new MyAppException("String val is null");

}

}

}

class MyAppException extends Exception {

private String message = null;

public MyAppException() {

super();

}

public MyAppException(String message) {

super(message);

this.message = message;

}

public MyAppException(Throwable cause) {

super(cause);

}

@Override

public String toString() {

return message;

}

@Override

public String getMessage() {

return message;

}

}

1. **What’s the difference between throws and throw keyword?**
2. **What’s the difference between checked and unchecked exception**
3. **What’s the parent class of Exception class?**
4. **What’s the use of finally block?**
5. **Can we have try with finally block without catch block?**
6. **How to handle the multiple exceptions?**
7. **Can we have more than one finally block?**
8. **Assume we have try and finally block without catch block, in that case if any exception occurs in try block then how to handle it?**
9. **Assume we have two catch block, first catch block handling the “Exception” second catch block handling the “ArithmeticeException”, in that case if any arithmetic exception occurs in the try block then which catch block will handle the exception?**
10. **Can we catch error?**
11. **How to avoid nullpointerexception?**
12. **Why we are using custom exception?**
13. **What is diff between classnotfound and Noclassdeferror?**