

Q2.WAP to demonstrate how to use finally Block to catch runtime exception(Illegal Argument Exception) by the use of e.getMessage().

Test_id	Description	Expected Output	Actual Output	Remark
1	Enter a valid file name.	The length of the file will be displayed.	The length of the file is 536 bytes.	Pass
2	File name is null.	File name should not be null.	Exception in thread "main" java.lang.IllegalArgumentException	Error

Q3.WAP to demonstrate how to handle multiple exception methods by using System.err.println() method of System class.

Test_id	Description	Expected Output	Actual Output	Remark
1	Input should not be null,i.e. dividend should not be zero.	Result, i.e. quotient.	Result = quotient .	Pass
2	Dividend is zero.	Divided by zero exception will be given.	Arithmetic exception : Division by zero.	Runtime Exception
3	Array index should be in range.	Expected output will be given.	Array's content will be accessed.	Pass
4	Array index out of bound.	Exception will throw.	ArrayIndexOutOfBoundsException.	Runtime Exception

Q6.Write a program to implement stack in java.

Test_id	Description	Expected Output	Actual Output	Remark
1	Stack is empty. New number should be inserted.	Number will be inserted at location zero.	Push operation is successful.	Pass
2	Stack is empty,trying to pop an element.	First push an element.	Stack is empty, pop can not be possible.	Pass
3	Stack is not empty, as well as not full, push an element.	Number will be inserted at a position.	Push operation is successful.	Pass
4	Stack is full,trying to push element.	No space in stack to push.	Stack is full, can not push an element.	Pass
5	Stack is full,trying to pop an element.	We can pop it.	Pop operation is successful.	Pass

Q8.WAP to demonstrate how to remove a certain element from a collection with the help of collection.remove() method of collection class.

Test_id	Description	Expected Output	Actual Output	Remark
1	Collection is empty,add element into it.	Element should be added.	Exception in thread “main” java.lang.IndexOutOfBoundsException at java.util.ArrayList.range check(ArrayList.java:63) at java.ArrayList.remove(ArrayList.java:474) at Remove element.main(Remove element.javaC)	Error
2	Remove element from the collection.	Element is removed from the collection.	Element is removed from the collection.	Pass