**Java code :**

Q. 1

import static java.util.Objects.\*;

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public class Main {

public static void main(String[] args) {

try {

Scanner sc=new Scanner(System.in);

int[] arr = {1, 2, 3};

System.out.println("enter array length");

int arr\_length=sc.nextInt();

if (arr.length < arr\_length) {

throw new ArrayIndexOutOfBoundsException("IndexOutofbounds Exception");

}

else{

System.out.println("right length passed");

}

System.out.println("enter any string");

String st=sc.nextLine();

// String st=null;

if(isNull(st)){

throw new NullPointerException("it is null");

}

else{

System.out.println("it was not null");

}

}

catch (ArrayIndexOutOfBoundsException e) {

System.out.println(e.getMessage());

}

catch(NullPointerException e){

System.out.println(e.getMessage());

}

finally{

System.out.println("it is final method");

}

}

}