**DO SELECT QUESTIONS**

**Q44**

public class Problem

{

public int credits;

public int getCredits() {

return credits;

}

public void setCredits(int credits) {

this.credits = credits;

}

public String getType() {

return type;

}

public void setType(String type) {

this.type = type;

}

public String type;

public Problem (int credits, String type) {

this.credits=credits;

this.type=type;

}

public static void main(String[] args) throws Exception {

Problem p=new Problem(41,"Exception");

Checker c=new Checker();

String s = c.checkProblem(p);

String t=c.approveProblem(p);

System.out.println(s+"\n"+t);

}

}

class Checker {

public String checkProblem(Problem p) throws Exception{

if(p.getCredits()<10)

throw new ProblemException("Insufficient credits");

if(p.getType().equals("String"))

throw new ProblemException("String problem found");

if(p.getType().equals("Generic"))

throw new ProblemException("Generic problem found");

if(p.getType().equals("I/O"))

throw new ProblemException("I/O problem found");

else

return "Exception problem found";

}

public String approveProblem(Problem p) {

try{

checkProblem(p);

}

catch (ProblemException e){

return "Not approved";

}

catch (Exception e) {

return "Other exception";

}

return "Problem approved";

}

}

@SuppressWarnings("serial")

class ProblemException extends Exception{

public ProblemException(String msg) {

super(msg);

}

}