Do Select Coding

Q12

Java Code:

**public** **class** Student {

String StudentID;

String StudentName;

**public** Student(String StudentID , String StudentName) {

**this**.StudentID=StudentID;

**this**.StudentName=StudentName;

}

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

// **TODO** Auto-generated method stub

Student student=**new** Student("It\_225","Jerin");

Source s=**new** Source();

String res=s.ValidateStudent(student);

System.***out***.println(res);

String res1=s.ValidateUserId(student);

System.***out***.println(res1);

}

}

**class** Source{

**public** String ValidateStudent(Student std) **throws** InvalidStudentNameException {

**if**(!(Character.*isUpperCase*(std.StudentName.charAt(0)) &&

std.StudentName.substring(1).equals(std.StudentName.substring(1).toLowerCase()))) {

**try**{

**throw** **new** InvalidStudentNameException("Invalid Name");

}

**catch**(Exception e)

{

//System.out.println(e);

std.StudentName="Invalid";

**return** e.toString();

}

}

**else**

{

std.StudentName="Valid";

**return** std.StudentName;

}

}

**public** String ValidateUserId(Student std) **throws** InvalidStudentNameException {

**if**(!(std.StudentID.matches("^[A-Z]\\w{4,19}$") &&

std.StudentID.substring(1).equals(std.StudentID.substring(1).toLowerCase()))) {

**try**{

**throw** **new** InvalidStudentNameException("Invalid Name");

}

**catch**(Exception e)

{

//System.out.println(e);

std.StudentID="Invalid";

**return** e.toString();

}

}

**else**

{

std.StudentID="Valid";

**return** std.StudentID;

}

}

}

**class** InvalidStudentNameException **extends** Exception{

**public** InvalidStudentNameException(String msg) {

**super**(msg);

}

}