

```

1
2 package Oppgave4;
3
4
5 public class main {
6
7     public static int checkValidOsloMetMail(String email) throws
InvalidEmailException {
8         String[] splitStrAlpha = email.split("@");
9         if (splitStrAlpha.length != 2){
10             throw new InvalidEmailException (email + " is not a valid
email");
11         }
12
13
14         if(!splitStrAlpha[1].equals("osloMet.no")) {
15             throw new InvalidOsloMetMailException(email + " is not a
valid OsloMet email");
16         }
17
18         String studentStr = splitStrAlpha[0];
19         if(studentStr.length() != 7 || studentStr.charAt(0) != 's') {
20             throw new InvalidStudentOsloMetEmailException(email + " is
not a valid OsloMet student email");
21         }
22
23         // check if the six numbers behind "s" are valid numbers
24         try {
25             int testInt = Integer.parseInt(studentStr.substring(1));
26             if(testInt < 0)
27                 return -3; // no negative numbers in student numbers
28         } catch(NumberFormatException e) {
29             return -3;
30         }
31
32         return 0; // email is valid
33     }
34 }
35
36 public static void checkMail(String email) throws
InvalidEmailException {
37     int testMail = checkValidOsloMetMail(email);
38
39     try {
40         checkValidOsloMetMail(email);
41         System.out.println("Hello student with id " + email.split
("@")[0]);
42     }
43     catch (InvalidStudentOsloMetEmailException e){
44         System.err.println(e.getMessage());

```

```
45     }
46     catch (InvalidOsloMetMailException f){
47         System.err.println(f.getMessage());
48     }
49     catch(InvalidEmailException g){
50         System.err.println(g.getMessage());
51     }
52
53 }
54
55 public static void main(String[] args) throws
InvalidEmailException {
56     String email1 = "s123456@hioa.no";
57     String email2 = "s123456@oslomet.no";
58     String email3 = "henrik.lieng@oslomet.no";
59     String email4 = "so_bad!@oslomet.no";
60     String email5 = "thisIsNoEMail";
61
62     checkMail(email1);
63     checkMail(email2);
64     checkMail(email3);
65     checkMail(email4);
66     checkMail(email5);
67 }
68
69 }
70
```