```java
package com.company;

import java.sql.ResultSet;
import java.sql.SQLException;
import java.util.ArrayList;
import java.util.Locale;
import java.util.Scanner;

public class SchedulePriority{

    public static String addPriority(String eventDescription){
        Scanner keyboard = new Scanner(System.in);
        String [] priorityInsertingCharacters = new String[2];
        boolean isValidChoice;

        do {
            isValidChoice = true;
            System.out.println("Please enter your priority (importance) of the event:\n\"Utmost Necessary\" (1)\t\"Necessary\" (2)\t\"Optional\" (3)\t\"Trivial\" (4)");
            String priorityChoice = keyboard.nextLine().toLowerCase(Locale.ROOT).replaceAll("\\s", "");

            switch (priorityChoice) {
                case "1", "utmostnecessary" -> {
                    priorityInsertingCharacters[0] = "1";
                    priorityInsertingCharacters[1] = "    ";
                }
                case "2", "necessary" -> {
                    priorityInsertingCharacters[0] = "2";
                    priorityInsertingCharacters[1] = "    ";
                }
                case "3", "optional" -> {
```

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31                      priorityInsertingCharacters[0
   ] = "3";
32                      priorityInsertingCharacters[1
   ] = "    ";
33                  }
34                  case "4", "trivial" -> {
35                      priorityInsertingCharacters[0
   ] = "4";
36                      priorityInsertingCharacters[1
   ] = "    ";
37                  }
38                  default -> {
39                      isValidChoice = false;
40                      System.out.println("Wrong
   option. Please enter it again.");
41                  }
42              }
43          } while (!isValidChoice);
44          return "priority " +
   priorityInsertingCharacters[0] + ": " +
   eventDescription + priorityInsertingCharacters[1];
45      }
46
47      public static void printScheduleBasedOnPriority
   (int userId) throws SQLException {
48          MysqlExecute mysqlExecute = new
   MysqlExecute();
49          ResultSet scheduleNamesDatabaseResultSet =
   mysqlExecute.mysqlQuery("SELECT manualScheduleName
   FROM TaskList WHERE userId = " + userId);
50          if(scheduleNamesDatabaseResultSet == null){
51              throw new SQLException();
52          }
53
54          ArrayList<String>
   scheduleNamesDatabasePriority1 = new ArrayList<>();
55          ArrayList<String>
   scheduleNamesDatabasePriority2 = new ArrayList<>();
56          ArrayList<String>
   scheduleNamesDatabasePriority3 = new ArrayList<>();
57          ArrayList<String>
```

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57 scheduleNamesDatabasePriority4 = new ArrayList<>();
58
59         while(scheduleNamesDatabaseResultSet.next
   ()){
60             String scheduleName =
   scheduleNamesDatabaseResultSet.getString(1);
61             if(scheduleName == null){
62                 continue;
63             }
64             switch (scheduleName.charAt(9)){
65                 case '1' ->
   scheduleNamesDatabasePriority1.add(scheduleName);
66
67                 case '2' ->
   scheduleNamesDatabasePriority2.add(scheduleName);
68
69                 case '3' ->
   scheduleNamesDatabasePriority3.add(scheduleName);
70
71                 case '4' ->
   scheduleNamesDatabasePriority4.add(scheduleName);
72             }
73         }
74
75         Scanner keyboard = new Scanner(System.in);
76         System.out.println("Please select what
   Priority of schedules to List\n\"All\" (0)\t\"
   Priority 1\" (1)\t\"Priority 2\" (2)\t\"Priority 3
   \" (3)\t\"Priority 4\" (4)");
77         String whatPriorityToList = keyboard.
   nextLine().toLowerCase(Locale.ROOT).replaceAll("\\s
   ", "");
78
79         switch (whatPriorityToList){
80             case "0", "all" -> {
81                 System.out.println("All schedules
   added for you:");
82                 for (String scheduleNames :
   scheduleNamesDatabasePriority1){
83                     System.out.println(
   scheduleNames);
```

```
 84                  }
 85                  System.out.println();
 86                  for (String scheduleNames :
    scheduleNamesDatabasePriority2){
 87                      System.out.println(
    scheduleNames);
 88                  }
 89                  System.out.println();
 90                  for (String scheduleNames :
    scheduleNamesDatabasePriority3){
 91                      System.out.println(
    scheduleNames);
 92                  }
 93                  System.out.println();
 94                  for (String scheduleNames :
    scheduleNamesDatabasePriority4){
 95                      System.out.println(
    scheduleNames);
 96                  }
 97              }
 98
 99              case "1", "priority1", "priorityone"
     -> {
100                  System.out.println("Utmost
    Necessary Schedules (priority 1):");
101                 for (String scheduleNames :
    scheduleNamesDatabasePriority1){
102                     System.out.println(
    scheduleNames);
103                 }
104             }
105
106             case "2", "priority2", "prioritytwo"
     -> {
107                 System.out.println("Necessary
    Schedules (priority 2):");
108                 for (String scheduleNames :
    scheduleNamesDatabasePriority2){
109                     System.out.println(
    scheduleNames);
110                 }
```

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111             }
112
113             case "3", "priority3", "prioritythree"
     -> {
114                 System.out.println("Optional
    Schedules (priority 3):");
115                 for (String scheduleNames :
    scheduleNamesDatabasePriority3){
116                     System.out.println(
    scheduleNames);
117                 }
118             }
119
120             case "4", "priority4", "priorityfour"
     -> {
121                 System.out.println("Trivial
    Schedules (priority 4):");
122                 for (String scheduleNames :
    scheduleNamesDatabasePriority4){
123                     System.out.println(
    scheduleNames);
124                 }
125             }
126         }
127     }
128 }
129
```