Java 8 ▾ ACCEPTED

```
1  import java.io.*;
2  import java.util.*;
3  import java.text.SimpleDateFormat;
4  import java.util.Date;
5
6  class ExpiryCheck{
7
8      public boolean lengthCheck(String s){
9          //RETURN true if length...is valid or RETURN...
10         boolean result=false;
11         int len=s.length();//check the length of a string
12         if(len==12){//comparing string length,if it is 12 then return true else false
13             result=true;
14         }
15         else{
16             result=false;
17         }
18         return result;
19     }
20
21     public boolean batchNumberCheck(String s){
22         //RETURN true if batch number is valid or false if in valid....
23         boolean res=false;
24
25         char[] chararray=s.toCharArray();//converted string to characeter array
26
27             if(chararray[0]>='A' && chararray[0]<='Z'){//checking whether 1st character is in
   uppercase or not
28                 if(chararray[1]>='A' && chararray[1]<='Z'){//checking whether 2nd character is i
   uppercase or not
29                     if(chararray[3]>='A' && chararray[3]<='Z'){//checking whether 4th charac
   is in uppercase or not
30                         if(chararray[2]>='0' && chararray[2]<='9'){//checking whether 3r
   character is in number or not
31                             res=true;//if all conditions are true then return true,else
   return false.
```

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15          else{
16              result=false;
17          }
18          return result;
19      }
20
21      public boolean batchNumberCheck(String s){
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23          boolean res=false;
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25          char[] chararray=s.toCharArray();//converted string to characeter array
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27              if(chararray[0]>='A' && chararray[0]<='Z'){//checking whether 1st character is in
    uppercase or not
28                  if(chararray[1]>='A' && chararray[1]<='Z'){//checking whether 2nd character is in
    uppercase or not
29                      if(chararray[3]>='A' && chararray[3]<='Z'){//checking whether 4th characte
    is in uppercase or not
30                          if(chararray[2]>='0' && chararray[2]<='9'){//checking whether 3rd
    character is in number or not
31                              res=true;//if all conditions are true then return true,else
    return false.
32
33                          }
34                      }
35                  }
36              }
37              else{
38                  res=false;
39
40              }
41              return res;
42      }
43
44      public boolean yearCheck(String s){
45          //Check if year is valid  RETURN true else RETURN false...
```

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28          if(chararray[1]>='A' && chararray[1]<='Z'){//checking whether 2nd character
uppercase or not
29              if(chararray[3]>='A' && chararray[3]<='Z'){//checking whether 4th ch
is in uppercase or not
30                  if(chararray[2]>='0' && chararray[2]<='9'){//checking wheth
character is in number or not
31                      res=true;//if all conditions are true then return true,
return false.
32
33                  }
34              }
35          }
36      }
37      else{
38          res=false;
39
40      }
41      return res;
42  }
43
44  public boolean yearCheck(String s){
45      //Check if year is valid  RETURN true else RETURN false...
46
47      boolean res=false;
48      String str1=s.substring(4,8);//get the year using substring
49      int year=Integer.parseInt(str1);//convert string to integer
50      if(year<=2020 && year>=2015){//checking whether year is in between 2015-2020
51
52      res=true;//if condition true return true,else false
53      }
54      else{
55          res=false;
56      }
57
58      return res;
59  }
```

```
53          }
54          else{
55              res=false;
56          }
57
58          return res;
59      }
60
61      public boolean monthCheck(String s){
62          //Check if month is valid RETURN true else RETURN false...
63          boolean res1=false;
64          String str2=s.substring(8,10);//get the month using substring
65          int month=Integer.parseInt(str2);//convert string to integer
66          if(month<=12 && month>=1){///checking whether month is in between 1-12
67              res1=true;//if condition true return true,else false
68          }
69          else{
70              res1=false;
71          }
72          return res1;
73      }
74
75      public boolean dayCheck(String s){
76          //Check if day is valid RETURN true or else RETURN false...
77          boolean res2=false;
78          String str3=s.substring(10);//get the day using substring
79          int day=Integer.parseInt(str3);//convert string to integer
80          if(day<=31 && day>=1){///checking whether days is in between 1-31
81              res2=true;//if condition true return true,else false
82          }
83          else{
84              res2=false;
85          }
86          return res2;
87
88      }
89
```