בחרו 2 פונקציות (של בערך 10 שורות הכוללת לפחות תנאי או לולאה) ולבנות עבורם CFG פונקציה מספר 1

```
פונקציה מספר 1
 ublic int checkUser(String user) {
   int num=0,num2=0;
print.Myprinting(user.length()+" is the length");
      (user.length() < 6 || user.length() > 8)//check length
       JOptionPane.showMessageDialog(null, "username must be between 6-8 characters long", "invalid username", JOptionPane.INFORMATION_MESSAGE);
       (int i=0;i<user.length();i++) //check digits
       if (Character.isDigit(c))
           num++:
           num2++;
   JOptionPane.showMessageDialog(null, "username must contain at maximum 2 digits", "invalid username", JOptionPane.INFORMATION_MESSAGE);
      (num2 <= 2)
       JOptionPane.showMessageDialog(null, "username must contain at least one letter!","invalid username", JOptionPane.INFORMATION_MESSAGE);
num=0
num2=0
                                                i=0
                                                                                                                       JOptionPane
                                                                                                                               return 0
                                                                                  num>2
                                                                                                  17
                                                                                                                      13
         length<6|| length>8
                                                                                num<=2
                          3
 JOptionPane
         return 0
                                       i<length
                                                                                        14
                                                                                                    num2>2
                                    6
                                                                       num2<=2
                                            !Character.isletter
              Character.isletter
                                                                            15
        num2++
                                                Z
                                                                                                              return 1
                              Character.isdigit
```

!Character.isdigits

[O]

i++

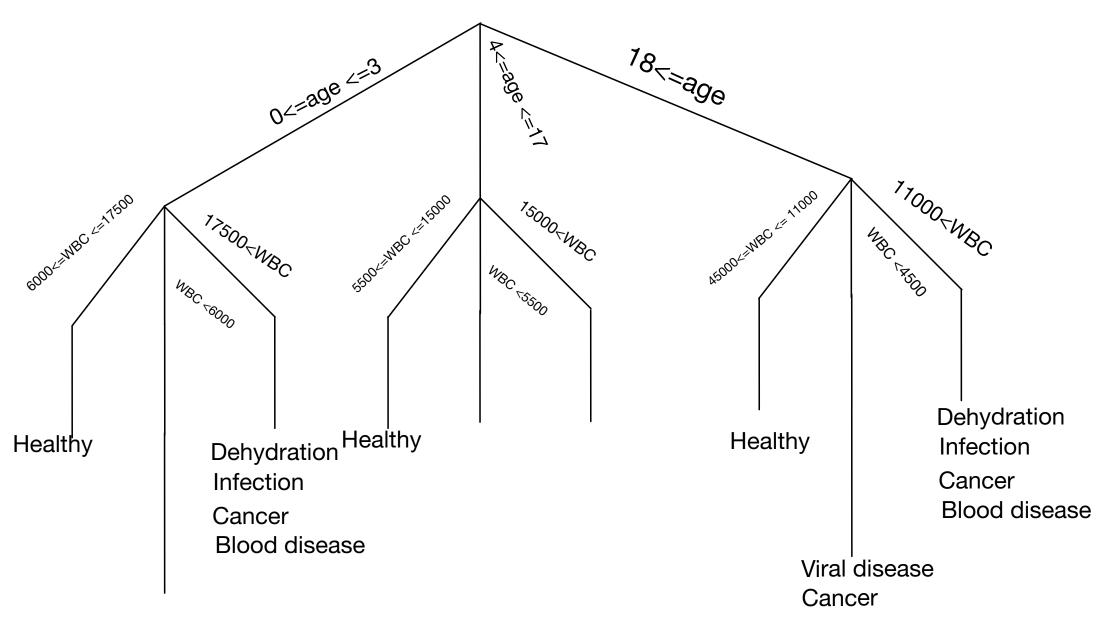
num++

6

return 0

JOptionPane 4 6 1

```
int num= 0 ,num2 = 0,num3=0;
   if (p.length() < 8 || p.length() > 10) (
JOptionPane.showMessageDialog(null, "password must be between 8-10 characters long", "invalid password", JOptionPane.INFORMATION_MESSAGE);
       (int i = 0; i < p.length(); i++) //check digits
        char c = p.charAt(i);
if (Character.isLetter(c))
          (c == '$' || c == '!' || c == '?' || c == '#')
           num2++;
       }
if (Character.isDigit(c)) {
           num3++;
      (num == 0)
        JOptionPane.showMessageDialog(null, "password must contain at least one letter!", "invalid password", JOptionPane.INFORMATION_MESSAGE);
      (num2 == 0)
       JOptionPane.showMessageDialog(null, "password must contain at least one special char (!, #, $, ?)", "invalid password", JOptionPane.INFORMATION_MESSAGE); return 0;
                 e.showMessageDialog(null,"password must contain at least one digit","invalid password", JOptionPane.INFORMATION_MESSAGE);
    .
JOptionPane.showMessageDialog(null,"Doctor added successfully","doctoradded", JOptionPane.INFORMATION_MESSAGE);
num=0
                                                                                                                               JOptionPane
num2=0
                                                                                                                                        return 0
num3=0
                                                     i=0
        l
                                                      4
                                                                                             num=0
                            2
                                                                                                                                             6
                                       6<=length<=8
                                                                                                                                JOptionPane
        length<8|| length>10
                                                                                      !num=0
                                                                                                                                        return 0
  JOptionPane
                                                                                           num2=0
                             3
           return 0
                                           i<length
                                                                                                                                JOptionPane
     num++
                                                                                   !num2=0
                                                                                                                                         return 0
                   Character.isletter
                                                                                         num3=0
                                                                             20
                                       !Character.isletter
  num2++
                                                                                          !num3=0
                   C=$/!/?/#
                                   !(C=$/!/?/#)
                                                            3
                                                                       İ++
     num3++
                                         Character.isdigits
                     Character.isdigit
                                                                                                      return 1
```



Viral disease Cancer