

Q1. In this part of the homework, we creating 3 int values r, g and b. R stands for Red, g stands for Green and b stands for Blue. Firstly, initialize variables called r, g and b and assign them 255. These variables should be available to all methods. Then, write a print method which prints out these r, g, and b values.

Now, it is time change the our r, g and b values to 0, which represents black color. To change; create a method called convertToBlack. Inside this method, assign r to 0, g to 0 and b to 0. After that, call this method and call your print method again. We successfully changed the color to black.

Now, it is time to create a new color Red. Write a method called createRed. Create local variables r, g and b values and assign r = 255, g = 0 and b = 0. Then call this method and your print method. Any changes ? Why ?

In addition, lets change our color to red. Create a method called convertToRed and assign r = 255, g = 0 and b = 0. Call this method and your print method. What is the difference between createRed and convertToRed methods?

As a bonus part, create 7 methods for each color in rainbow. Method names examples: convertToYellow, convertToOrange. In each method, assign r, g and b for each color respectively. Then, call one of these methods and your print method. Do this for all methods.

Q2. In this part, our aim is to create the followings .

a)

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**                                     **
**  JAVA & PROGRAMMING  **
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b)

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**  Lionel Messi & Xavi Hernandez  **
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For part a, we are going to create 3 methods for this part. First method's name is printFirstLine and it takes starCount as a parameter. Call printFirstLine with parameter

24 and it creates 24 starts in one line. Second method's name is printSecondLine and it takes spaceCount as a parameter. Call printSecondLine with parameter 20 and after two starts, it prints 20 spaces into second line. Do not forget to put 2 more starts after 20 spaces. Lastly, we are going to create a method called printThirdLine. It does not take any parameter and simply prints out the `** JAVA & PROGRAMMING **`.

Doing the b part is simply just changing the parameters of printFirstLine and printSecondLine and changing printThirdLine method a bit.

Q3. Expected output: Name: Deniz , balance: 30

In this part, you are going to take 4 input from the console using the Scanner. First, get the "account owner name". Secondly, get the "account number" of this user. If account number is 1, take two more inputs. Otherwise, print a message to console that it is not a valid bank account. Two other inputs are money sent by your friend to your account and your electric bill. In the end, print out the name and balance of account.

Program:

Enter a bank account owner name:

Deniz Iskender

Enter a bank account number:

1

Enter money sent by your friend to your account:

100

Enter your electric bill:

70

Name: Deniz Iskender , balance: 30