

Colour
- red : int
- green : int
- blue : int
+ Colour(red : int, green : int, blue : int)
+ Colour(hex : String)
+ getRed() : int
+ getGreen() : int
+ getBlue() : int
+ toHex() : String
+ toString() : String

Red: **48** hexadecimal to base 10:

From 1 st "digit" =	$4 * 16 = 64$
From 2 nd "digit" =	8
Total:	$64+8 = \mathbf{72}$

Green: **D1** hexadecimal to base 10: From 1st "digit" = **13** * 16 = 208 (Note: D=13)
From 2nd "digit" = 1
Total: 208+1 = **209**

Blue: **CC** hexadecimal to base 10: From 1st "digit" = **12** * 16 = 192 (Note: C=12)
From 2nd "digit" = **12** (Note: C=12)
Total: 192+12 = **204**

The class `Colour` has:

- a) Three instance variables
- b) A constructor taking values for each instance variable. If values are not integers from 0 to 255 then change the values accordingly.
- c) A constructor taking a hexadecimal string in the format "`#RRGGBB`" with RR representing hexadecimal value for red, GG representing hexadecimal value for green and BB representing hexadecimal value for blue. If the format is wrong then set the values to proper default values.
- d) Getters for all instance variables
- e) A method `toHex` returning the hexadecimal string for the colour in the format "`#RRGGBB`" with RR representing hexadecimal value for red, GG representing hexadecimal value for green and BB representing hexadecimal value for blue.
- f) A method `toString` returning a string with the information of the colour in a proper format.

Implement a test class with a main method for your class `Colour` (name the class `ColourTest`).