Homework5

Design and use of class hierarchies using the language of C ++ programming.

April 2021,Draghici Andreea, CR 2.1B

1 Task:

1. Create a class hierarchy that describes the set of elements in the plan encountered in geometry. It is considered the basic class CPunct, from it is derived the class CDreapta, CCerc class, CDrectangle class and CPatrat class. For CCerc, CDrectangle and CPatrat to implement an area calculation function and a calculation function perimeter.

2. Create a class hierarchy to describe dog breeds. Consider the class Basic dog, from this derives the class Dog with spots, the class Dog without spots. About dogs are known: name, height, weight, age, color. It is known about spotted dogs in addition, the number of spots. Define a member function for each class reading the data, respectively one for display.