

- I. Write a program that will take from the user the data of various types for several people (first name, last name, PESEL number, date of birth and address). Then save this data to a file. Save the file using *characters mode*, *bytes mode*, and *serialization*. Write methods that will read the contents of each file/files and restore the objects. Which file is the smallest size? Why? Try to justify your answer.
- II. Create *Pen*, *Pencil*, *Scissors* classes and a few more of your choice. For each class, add a few fields that will describe a specific topic. Add also a few methods and constructors that will initialize the fields of these classes appropriately. Add the class *Case* that will hold the set of objects of the classes you created earlier. Save and read the file using serialization.