

## C# exam

clone project from address: <https://github.com/demorepository/test>

1. In class Class1.cs:
  - a. Declare public City variable of type string
  - b. Declare public variable Country of type string with certain value: Poland
  - c. Declare public list of string ( name of list: listOfString)
  - d. Initialize Object (of Type Topic from CatalogB)
  - e. Create public int array, which contains values: 1,2,3,4,5,6 (at the top of class)
  - f. Create public empty list of double type;
2. Create public Class (example Product) in catalog B, which:
  - i. Contains public properties:
    1. 3 – any data type can be used ex. Id, name, city
    2. One of custom class ex. Of type Details class (should contains min. 3 properties)
    3. One of collection of custom class type ex. Of Type Categories class (should contains min. 3 properties)
3. In class Class2.cs:
  - a. According to '2 -> i', create one public object and populate data to all existing properties.
  - b. Create public collection of objects from example '2-> i' – objects have populate data in all existing properties.
4. In class Class2.cs create public method which will return created collection in 3.b;
5. In class Class2.cs create public method to find( find by id/name any ideas will be accepted) object in created list(3.b) and return this object.
6. In program class Program.cs In main method initialize object of type Class1.cs and print out all int values from created int array ( pkt 1. -> e)
7. In program class Program.cs in main method initialize object of type Class2.cs, use method to find object created in pkt.5 and print out all contained data in object.