CSHARP ASSIGNMENTS PART-2

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| Create a Class **Student** with the following attributes  StudentRollNo  Name  EngMarks  ScienceMarks  MathsMarks  Create a Method to Take the details from the user  **GetStudent**  Create a Method to calculate the TotalMarks,Percentage& Grade, then display it to the user.  **DisplayStudent** |

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| **Create a Class School with the following attributes**   * RegNo * SchoolName * WebSite * PhoneNo   Create a Method to Take the details from the user  **GetSchool**  Create a Method to display the details of the school.  **DisplaySchool**  **Create a Constructor to copy one school details into another school.** |

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| **Create a Class Employee with the following attributes**  EmpID;  Name;  BasicSal;  HRA;  otherAll;  Conveyance;  PF;  GrossSal;  Tax;  Create a Method to Take the details from the user [EmpID,Name,BasicSal,HRA,OtherAll,Conveyance,PF]  **GetEmployee [EmpID,Name,BasicSal,HRA,OtherAll,Conveyance,PF]**  Create a Method to calculate GrossSal, Tax & display the details of the employee  **DisplayEmployee[GrossSal,Tax]**  **Create a Constructor to copy one employee details into another employee.** |

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| **Create a new project, and include in it the class Person that you just created.**  Create a class "Student" and another class "Teacher", both descendants of "Person".   The class "Student" will have a public method "GoToClasses", which will write on screen "I’m going to class."   The class "Teacher" will have a public method "Explain", which will show on screen "Explanation begins". Also, it will have a private attribute "subject", a string.   The class Person must have a method "SetAge (int n)" which will indicate the value of their age (eg, 20 years old).   The student will have a public method "ShowAge" which will write on the screen "My age is: 20 years old" (or the corresponding number).   You must create another test class called "StudentAndTeacherTest" that will contain "Main" and:  Create a Person and make it say hello  Create a student, set his age to 21, tell him to Greet and display his age  Create a teacher, 30 years old, ask him to say hello and then explain. |

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| **Create a Class Student with the following attributes**  StudentRollNo  Name  EngMarks  ScienceMarks  MathsMarks  Create a collection [ArrayList or HashTable].  Write a while loop to store multiple student objects into the collection.  The while loop should store students till the user is entering “Y”.  Then display all the students’ values in the program.  Repeat the above program using file system. Store all the data in a text file or csv.  The display the student values in the output screen. |

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| **Write a program to create directory in the system.**  The user will enter the drive name and directory name and accordingly it should create the directory. |

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| **Write a program to delete directory in the system.**  The user will enter the drivename and directoryname and accordingly it should delete the directory.  If the directory does not exist then it should throw a message that directory does not exists. |

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| **Write a program to store all the files in the directory in a stack.**  The user will enter the drive name and directory name and accordingly it should store all filenames in the directory in the stack. |