Lab Assignment # 1 (CLO-4) Best



Name: Zawar Ahmed Nabeel

Reg: FAAI-BCS-OUD (BCS-3A)

Identify the relationship among classes and implement accordingly.

Date Class: -

- > Three private instance variables day, month and year of integer type.
- > A parametrized constructor.
- > A default constructor which assigns 1 to each instance variable.
- > Getter and Setter methods
- > Override toString() method to return the date in string format.

Course Class: -

- > coursename of type String.
- > credit_hrs of type integer;
- > Parametrized constructor having 2 arguments as course name and credit_hrs.
- > Getter and setter methods for each instance variable.

Student Class: -

- One integer variable to store the student_ID.
- > One String variables to store the name.
- > Two instance variables to store the information of Course and Registration Date.
- Parametrized Constructor for initializing each instance variable except student_ID. The value of student_ID should be assigned automatically.
- > Getter and Setter
- > Override method toString() to print the information of the student.

Main Class: -

Create a main class to test the functionalities of student class.

Public Class Date {

private int day, month, glear;

public Dete (int day, int month, Int year)

{ this " set Pay (day);

this . set Year (year);

public int get Day () {

return day; }

public void set Day (int day) {

if (day > 0 & day > 3);

else; syste.out. printh("Invalid Day");

Whis. day = 0; }

Whis. day = 0; }

public int get Month () public void set coursels I return month; ?/ this courselesse = course Names public void setMonth (Int month) Public int get and it His (1) } if (month > 0 & ? month < = 12) return medithes; I this. north 5 month ? & systm.out. pretho("Involid with"); Jublic Noial set Credit Hrs (int andit Hrs) this much 20's) if (redithms>0 28 credithms <5) this. smediths = credithts; public In getter 0 } return tens ? { system out. printh ("Involid creekths"); public void setter (int yor) { of (dor 30) this . CrealitHM = 0; this, gen = yen; I systm. out. prith ("Invelid yor); Public Stry to Stry () this - yer = 0; 3 (return Story. formed (4 1.5 %), public Stone to Stone () { This get conselvane 11, this return Stry formed ("1/020/1/020/1/020", get Grealit Hrs (); this get Day (), this get Month() this get Per (1); } Course Class: Went Page. Public Clan Course 9 Private Stry CourseName/; private in credithrs. Coursel String CourseNane, int medithus) this, set Course Name (course Name): this set Grealiths (credithys). public Stry get course Name (1) } ncturn Course Nane;

BCS-3A (Zaus Ahmed) (FA21-BCS-040) tuden Class public Class Student } private static int student IP private stry studiatione:

private course dene.

private Date reg Date: public Student (String student Name, Course Name, this set Student Name (student Name). this: Set Reg Datelreg Date); this: Set Mone (CNone): public static int get stude In (1) return StudentID; } public static void set Studit ID (int studits) Studit. Studit ID = Studit ID, public strap get studit Name () } Public void setstudit Due (String Studit None) This student Name = student Warre , } public Course get (None () } return (None; }

public void setchannel Course Name) public Date getRegDate(),
refurn reg Date public void set Reg Date (Date reg Date) } this reg Date = reg Date; 3 public String to String ()

{ seturn String formal ("St Name ". S In St ID ".d

In Reg Date ". S in Course Infor ". S In";

In String format ("St Name ". S In St ID ".d

In Reg Date ". S in Course Infor ". S In"; this get studed Nome (1, student 10, this get Rg Date to Stry this getc Name () - to stry (); public class Test Lap Task 1 4 public static void main (Stry [] args) Date Old = new Date (4, 4, 2003)
Course Gd = new Course ("191", 3)-/ Student S2 z new Studeni ("Annow Ali", c2 old).

Name: Abdul Qadir

Reg: SP21-BC5-042

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- > Override method toString() to print the information of the student.

Main Class: -

Create a main class to test the functionalities of student class.

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-> Stident dass fields
improper.

Abdal Gadis SP21-BC5-042 Lab Assignment Padrage data; Public class course - date - student private int day; private string coursename; product as wandle execute hrs; private int year; Public strug name; Public course - date - student (Int shident-ID, this student I.D = student: ID; would this trame = name; get puter this bame = name ; 11 constructor for shident Public int get Student_ID () return student-ID;

Public void detstudent-ID (het is hident ED) Public string get Name () { relum name Public void set Name (string Name) Lourse-date-student (sting Public this . course name = course name this credit has = credit has; Public sty get course name () { Public void set course name () & Public int get Credit - hrs () {

return credit his; Pulli void seleradit-hrs (intereditations) det_ED) this · credit_hrs = credit_hrs ; Public course date shall (set day, at month this day = day ; 11 constructor for date clays. Public int get month () return mouth ; Public void set Month (ret month) this, month = month

Public mit gelyeon () {

nehun year ; Peter void setyear (net gear) {

lends year = year;
} Rullic voral tosting () System. out. pritt ("d/11 /d/11 /d", nt day Main class :-Package date ; Public Class Date { Rublic Static void main (Strug (Jargs) d, = date clas 1; de = date class 2; Public String () {
return("Date", +1);

Lab Assignment # 1 (CLO-4) (Worst Reg: SP21-BCS-094

Name: Mahi Y

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