ODT lab esercise-2

-> +) Extra programs:-

Develop a java program to erecte a class Player with variables id, name, scores, no matches played with default access specifier. Include the following:

a)-Constructor

b) appropriate methods that eachilates the average scores of the player and displays same.

details who has the greater array score.

import. java. util. *;

class Player {

Ching id;

Stury name;

int score [];

int no-motches-played;

Vayer () { }

Player (String id1, String name 1, int scores IEI, int 1) id=id!; 3() dietalité. Dies scores = scores 1. no-matches-played=n; void get Details () { Scanner Sc = new Scanner (System .in) Septem out peintle ("Enter plager details:") Septen. out-printle ("Enter 10:"). id= sc. resit(); System. out. println ("Enter ramei"); name = sc. nest(); System out println ("Enter number of matches played:"), no-matches - played = sc. reset Int(); scores = new int [no matches - played]; for (int i=0; ix no_matches_played; i++){ System, out println (" Enter some of malch "+(i+1)+":");

scores[i] = sc. restInt(); Noid print Details () {

System. out. println ("In The player details are:"): legaten out println ("10:"+id+"\n Name:"+ rames "In No of matches played:" + no_matches_played); for (int i=0; i2 no_ matches - played; i++) System.out.frintln ("The score of the match" + (i+1) + ":" + scores[i]); legation out printles ("Enter same"); nome: 4c. note(); double avg(){ dystem out finter ("Enter int societim=0. for (int i=0; isno_matches_played; i++) { Scoresum + = score[i]; System , out frintler (" Enter ware of railed " + (i+1) [":");

return (scoresum ((no matches played + 0.0)). Eyetem out putter l'is Clayer has the propublic class Playermain () public states void main (String argst) int[] score = (3;4,76;9 < pvs. 9) from double plang, p2 avgs min tue metal Player PI= rew Player (); Player P2 = new Player ("123", "Rahul", Score, 3); proget Details (); Plang = Pliang(); Egeten sit printer p2 avg = p2. avg(); player 2 hour lqual PI. peint Details (): p2. print Details (); System, out println ("The Arrive score of Player, is " + plang); System. out. println ("The Arxlage scare of Players is " + p2. avg);

if (plang > p2 ang) museuss; multil System out printle ("InPlayer has the greatest average score.") Pl. print Details (); Juble state word main (stuig 12 pro 1) else if (pravg) { Pravg) { System out println ("In Player 2 has the greatest averege score: ").

P2. print Details (); else l System. out. println ("In Both player I and player 2 have equal weekage score;"); P1. printDetails(); P2. printDetails(); System. out faith ("The Arciep score of Player, 3 (Ervid + , of sipplem and frinter ("The drawp see of llafts @ Develop a java program to create a class Book with members - bookid, booktille, no of pages, year of pub, author, publisher and pice, create three objects of book dass. Include methods in Book class that do the following: a) Accepting the book details b) Displaying the book details c) Accept the author name and display the book details. d) Display the booktille of the most expensive book.

e) Display the court of the books published in the year 2020. 1) Display the book details of the book with the least number of pages. import java. util. *; class book (int bookid; Iting booktille; author=s neater int no-of-pages; int year of pulo;

String author; String publisher; double price; void acceptes Scanner 8= new Scanner (System. in); System.out. println ("In Enter the book details:"); System. out, println ("Enter Book 1D:"); bookid = S. nestlat(); Eystem, out, printle ("Enter Book title:"). booktitle=s.next(); lystem. out, printly ("Enter number of pages of the book: "); no-of-pages = s. restInt(); System. out. println ("Enter year of publication of the book:"), year-of-pub=s. resctInter; System. out, println ("Enter the name of author of the book!"); author = s. next(); System out println ("Enter the publisher ram of the book:");

publisher = s. rext (); System out println ("Enter price of the book:"). price = s. restInt (); void display () System. out println ("In The book details are as below: "). System. out. println("The Book 10:" + bookid) System, out, println ("The Book title:" + booktille); System. out. println ("The number of pages of the book ; "+no_of-pages); System. out. println ("The eylar of publication of the bood: "+ ylar-of-pub); Seystem out println ("The name of author of the book:"

tauthor; System out, println ("The name of the publisher name of the book: "+ publisher); Eysten. out. println ("The price of the book: "+ price); .t- authorizer equals (65 author);

class Book Main f public static void main (String \$5[]) { Scarrer 8= new Scarrer (System.in); String authorname; (1 polgrils blov. boolean i, j, k; int n=0; Book bl= new Book() Eyeun out, pirtle!" The bi: accept(); 1 dod Book b2= new Book(); b2. scapt(); Eystem, out. pintle (" Book b3 = new Book; b3.acapt(); b1. display(); b2. display(); Eaglen aut frintla! "The 63. display(). System out printly ("In Entry the author name:"); i= suthorname. equals (b1. suthor). j= authorname. equals (62. author); t= authorname.equals (63. author);

if (i==time) System out, println ("In The details of the book written by "+ authorrane+" are as follows:"); b1. display(); at all (") altring. the metapol if (j==true) ococ = don of pub = 2020) System, out, frintly ("In The details of the book witten by "+ authornamet are as follows:"), b2. display(); if (k==twe) System out, println ("In The details of the book written by "+authorrame+" are as follows:"); . 63. display(); if ((61. price > 62. price) 68 (61. price > 63. price)) System out println ("In The most expensive among the three is "+ b1. booktille);

if ((b2. price > b1. price) 28 (b2. price > b3. price)) System out println ("In The most expensive book among the three is "+b2, booktille); 1 ((63, price > 61. price) 28 (63, price > 62, price)) System out println ("In The title of the most escensive book among the there is "+ 63. booktely). i (bl. ylar of pub == 2020) il (b2, ylar-of Pub = = 2020) if (b3. ylar-of-pub==202) Eystem. out. println ("In Number of book published in the year 2020 are "+n); if ((b1.no-of-pages 6b2:no-of-pages) ses (b1.no-offage 2 b3: no-of-pages) System. out println ("In The details of the book with the least number of page among the Atree are as follows: "Distributed in

bi. display (); if (1 62. no-of-pages < b1. no-of-pages) &8 (62. no-of-pages < 63, NO- of- pagla)) System. out, println ("The details of the book with the least number of pages among the three are as follows:"); b2. display (); if ((b3. no-of-pages/b1. no-of-pages) &9 (b3. no-of-pages < 62. no-of-pager)) System.out, println ("The details of the book with the least number of pages among the there ar as follows:"); b3. display();