Assignment-6



Submitted by:

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**Program 1:**

**package** Shadowing;

**public** **class** Book {

**int** cost;

String name;

String color;

String type;

**int** book\_id;

String publisher\_name;

String title;

**int** year;

**long** ISBN; //International Standard Book Number

String subject;

**public** Book(**int** cost, String name, String color, String type, **int** book\_id, String publisher\_name, String title,

**int** year, **long** iSBN, String subject) {

**super**();

**this**.cost = cost;

**this**.name = name;

**this**.color = color;

**this**.type = type;

**this**.book\_id = book\_id;

**this**.publisher\_name = publisher\_name;

**this**.title = title;

**this**.year = year;

ISBN = iSBN;

**this**.subject = subject;

}

**public** **void** teach();

{

System.***out***.println(name+ "Book helps us to teach ourselves");

}

**public** **void** improveFocus();

{

System.***out***.println(name+" "+type+"typed Book"+" which costs"+cost+" improving the focus");

}

}

**package** Shadowing;

**import** java.util.Scanner;

**public** **class** BookApp {

**public** **static** **void** main(String[] args) {

Scanner scan = **new** Scanner(System.***in***);

System.***out***.println("Enter cost");

**int** cost = scan.nextInt();

System.***out***.println("enter name");

scan.nextLine();

String name = scan.nextLine();

System.***out***.println("Enter color");

String color = scan.next();

System.***out***.println("Enter type");

String type = scan.next();

System.***out***.println("Enter book\_id");

**int** book\_id = scan.nextInt();

System.***out***.println("Enter publisher\_name");

scan.nextLine();

String publisher\_name = scan.nextLine();

System.***out***.println("Enter title");

String title = scan.nextLine();

System.***out***.println("Enter year");

**int** year = scan.nextInt();

System.***out***.println("Enter ISBN");

**long** ISBN = scan.nextLong();

System.***out***.println("Enter subject");

scan.nextLine();

String subject = scan.next();

Book b1 = **new** Book(cost, name, color, type, book\_id, publisher\_name, title, year, ISBN, subject);

System.***out***.println(b1.cost+" "+b1.name+" "+b1.type+" "+b1.color+" "+b1.publisher\_name+" "+b1.title+" "+b1.year+" "+b1.subject+" "+b1.book\_id+" "+b1.ISBN);

}

}

**Output:**

Enter cost

350

enter name

legacy

Enter color

black

Enter type

general

Enter book\_id

129

Enter publisher\_name

james kerr

Enter title

The legacy

Enter year

2013

Enter ISBN

90210

Enter subject

english

**output:**

Enter cost

350

enter name

legacy

Enter color

black

Enter type

general

Enter book\_id

129

Enter publisher\_name

james kerr

Enter title

the legacy

Enter year

2013

Enter ISBN

988-1-98210-88

Enter subject

english

350 legacy general black james kerr the legacy 2013 english 129 null

**Program 2:**

**package** ShadowingProject;

**public** **class** Doctor {

**int** id;

String name;

Long phone;

**int** fee;

**int** salary;

String designation;

String address;

String gender;

**int** age;

String email;

**public** Doctor(**int** id, String name, Long phone, **int** fee, **int** salary, String designation, String address,

String gender, **int** age, String email) {

**super**();

**this**.id = id;

**this**.name = name;

**this**.phone = phone;

**this**.fee = fee;

**this**.salary = salary;

**this**.designation = designation;

**this**.address = address;

**this**.gender = gender;

**this**.age = age;

**this**.email = email;

}

**public** **void** giveTreatment()

{

System.***out***.println(name+" Doctor is giving treatment to patients");

}

**public** **void** eat()

{

System.***out***.println(gender+" "+name+" "+"doctor is eating");

}

}

**package** ShadowingProject;

**import** java.util.Scanner;

**public** **class** DoctorApp {

**public** **static** **void** main(String[] args) {

Scanner scan = **new** Scanner(System.***in***);

System.***out***.println("enter id");

**int** id = scan.nextInt();

System.***out***.println("Enter name");

scan.nextLine();

String name = scan.nextLine();

System.***out***.println("Enter phone");

**long** phone = scan.nextLong();

System.***out***.println("enter fee");

**int** fee = scan.nextInt();

System.***out***.println("enter salary");

**int** salary = scan.nextInt();

System.***out***.println("Enter designation");

scan.nextLine();

String designation = scan.nextLine();

System.***out***.println("Enter address");

String address = scan.nextLine();

System.***out***.println("Enter gender");

String gender = scan.next();

System.***out***.println("enter age");

**int** age = scan.nextInt();

System.***out***.println("enter email");

scan.nextLine();

String email = scan.nextLine();

Doctor d = **new** Doctor(id, name, phone, fee, salary, designation, address, gender, age, email);

System.***out***.println(d.id+" "+d.name+" "+d.fee+" "+d.designation+" "+d.salary+" "+d.address+" "+d.age+" "+d.gender+" "+d.phone+" "+d.email);

}

}

**Output:**

enter id

129

Enter name

dharani

Enter phone

6303097281

enter fee

500

enter salary

20000

Enter designation

gynoecologist

Enter address

btm layout

Enter gender

female

enter age

29

enter email

dharani12@gmail.com

129 dharani 500 gynoecologist 20000 btm layout 29 female 6303097281 dharani12@gmail.com