**Name: Jesnamol Thomas**

**Roll No:06**

**Batch:S2 MCA**

**Date:24/05/2022**

**OBJECT ORIENTED PROGRAMMING LAB**

**Experiment No.: CO3-4**

**Aim**

Write a program has class Publisher, Book, Literature and Fiction. Read the information

and print the details of books from either the category, using inheritance.

**Procedure**

import java.util.Scanner;

class publishers {

String pname;

Scanner sc=new Scanner(System.in);

publishers()

{

System.out.print("Enter publisher name:");

pname=sc.nextLine();

}

}

class book extends publishers {

String bname,author;

int page,price;

Scanner sc1=new Scanner(System.in);

book() {

System.out.print("Enter Book name:");

bname=sc1.nextLine();

System.out.print("Enter author:");

author=sc1.nextLine();

System.out.print("Enter page:");

page=sc1.nextInt();

System.out.print("Enter price:");

price=sc1.nextInt();

}

}

class literature extends book {

String language;

Scanner sc2=new Scanner(System.in);

literature() {

System.out.print("Enter which language:");

language=sc2.nextLine();

}

void display()

{

System.out.println(" ........LITERATURE BOOKS ARE........ ");

System.out.println("Publisher name is :"+pname);

System.out.println("Book name is :"+bname);

System.out.println("Autho name is :"+author);

System.out.println("Page is :"+page);

System.out.println("price is :"+price);

}

}

class fictions extends book {

String language;

Scanner sc3=new Scanner(System.in);

fictions() {

System.out.print("Enter which language:");

language=sc3.nextLine();

}

void display()

{

System.out.println("................FICTION BOOKS ARE..............");

System.out.println("Publisher name is :"+pname);

System.out.println("Book name is :"+bname);

System.out.println("Author name is :"+author);

System.out.println("Page is :"+page);

System.out.println("price is :"+price);

}

}

public class publisher {

public static void main(String[] args) {

String pname;

int n,m,c;

Scanner sc4=new Scanner(System.in);

System.out.print("Enter number of literatures books:");

n=sc4.nextInt();

literature l[]=new literature[n];

for(int i=0;i<n;i++) {

l[i]=new literature();

}

System.out.print("Enter number of fictions books:");

m=sc4.nextInt();

fictions f[]=new fictions[m];

for(int i=0;i<m;i++) {

f[i]=new fictions();

}

System.out.println("Enter your Choice \n1:LITERATURE\n2:FICTION");

c=sc4.nextInt();

if(c==1) {

for(int i=0;i<n;i++) {

l[i].display();

}

}

else if(c==2) {

for(int i=0;i<n;i++) {

f[i].display();

}

}

else

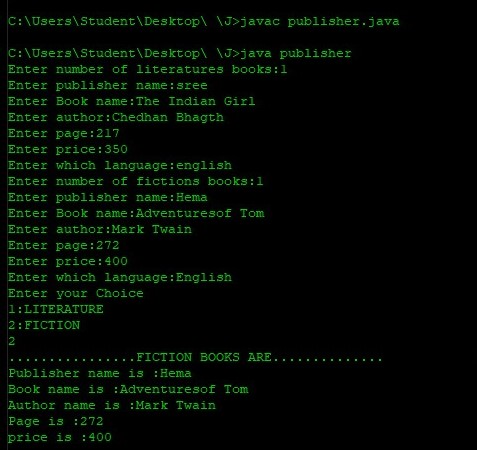
System.out.println("wrong choice");

sc4.close();

}

}

**Output Screenshot**

****