```
10-11-2020
Name: Khushil. M. Sindhwad
 USN:- IBMI9CSDAZ
                                                            (Più
 Sec: - III dem CSEB!
                                OOJ LAB TENTI
 Lab potest program:
                                         question (Book/tendiscessette):-
                              Publication
 impost java. util. Scanner;
       publication
  String title;
  Double price;
class 8 600 K extends publications
   int page_count;
   Scanner SS = new Scanner (System.in);
   ( ) stobby
      System. out. printer ("Enter the book details:");
      System. out. print In ("Title:");
      title = 25. next ();
      System.out. println (" Price: ");
      price = SS. nextDouble ();
      System. aux. println ("Page Count: ");
      page- count = SS. next Int ();
  void putdetal)
```

System.out. printly (" The book details are: ");

System. and. println ("Pgp count: "+page_count);

System. out. println ("Title: "+ title);

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

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Name :- Khushil. M. Sind hwood
 USN: IBMIGCSO 72
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                              OOJ LAB TEST @1
  Sec: III sem CSE B'
  int getpagecount ()
      resturn page-count;
      tape extends publications
class
   twi
   Scanner SS = new Scanner (System.in);
   void getdatal)
       System. Out. println ("Enter the cessetle details:");
       System. out. println ("Title:");
       title = ss. next ();
       System. out. println ("Price: ");
       price = SS. next Double ();
      System. out. print In ("Play time in minutes: ");
           = ss.nextInt();
  void putdeta
     System.out. println ("The Cossette details are: ");
     System. out. print ln ("Title: "+ title);
     System. out. println ("Phile: "+ prile);
     System. Out. println ("Play time in minutes:"+ playing-time);
```

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Name: Khushil. M. Sindhuad

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Sec: III Sem CIE'B'

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10-11-2020

```
int get play time ()
                 playing-time
    proid gestitle!)
        System.oux. printly ("Title:"+title); }
        publications main {
cless
    public stadic void main (strings args[])
    E
        int i , m, n &, com+ = = 0;
        int playing-time;
Seconner SS = new Scanner (System.in);
        System. Ow. print In ("Enter the number of books: ");
         m = ss. next Int ();
        System. out. print In [" Enter the number of Cassettes: ");
         n=SS. next Int();
        $600K b[]=new 600K[m];
         tape t[]= new tape [n];
         tor (int i=0; i<m; i++)
         £
             book b[i] = new tollbook();
            (i). get destal);
        for (int i=0; i<n; i++)
            tape t[i] = new tape(1);
            t[i].gotdeta();
```

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```
System. Out. println ("The so Looks with the number of people-ga
                    - gereater than 500 ");
for (iw i=0; i<mii++)
     if (b(i). getpay(count() > 500)
         ; () btobbyg.[i]d 😂
           ز++ لاسم
      3
 System. Ow. printlnl" The no. of books with pages greater them 500 ":+
& System. Out. println ("Enter the playing time: ");
 playing-time = ss. nesd Int ();
System. out. println ("The cossets with playing time total leaster-
                      - than "+ playing-time + "minutes is:");
 (++iin>ii0=i kni) tot
    if (t[i]. get playtime < playing time)
            gostitle
       j
```

```
import java.util.Scanner;
class publication
{
    String title;
    Double price;
class book extends publication
    int page count;
    Scanner ss=new Scanner(System.in);
    void getdata()
    (
        System.out.println("Enter the book details: ");
        System.out.println("Title: ");
        title=ss.next();
        System.out.println("Price: ");
        price=ss.nextDouble();
        System.out.println("Page Count: ");
        page_count=ss.nextInt();
    ]
    void putdata()
        System.out.println("The book Details are: ");
        System.out.println("Title: "+title);
        System.out.println("Price: "+price);
        System.out.println("Page Count: "+page_count);
    int getpagecount()
        return page count;
```

```
//Object passing as parameter to a method (for viva)
   book getdetails(book b1)
        System.out.println("\nThis is inside the method returning object of class book");
       b1.title="BreakTime";
       b1.price=500.0;
       b1.page_count=330;
        return b1;
class tape extends publication
{
    int playing time;
    Scanner ss=new Scanner(System.in);
    void getdata()
       System.out.println("Enter the Cassette details: ");
       System.out.println("Title: ");
       title=ss.next();
        System.out.println("Price: ");
        price=ss.nextDouble();
       System.out.println("Playing time in minutes: ");
        playing time=ss.nextInt();
    void putdata()
        System.out.println("The Cassette Details are: ");
        System.out.println("Title: "+title);
       System.out.println("Price: "+price);
        System.out.println("Playing time in minutes: "+playing_time);
    int getplaytime()
        return playing time;
```

```
void gettitle()
        System.out.println("Title: "+title);
class publicationsmain
{
    Run | Debug
    public static void main(String args[])
    {
        int i,m,n,count=0;
        int playing time;
        Scanner ss=new Scanner(System.in);
        System.out.println("Enter the number of books: ");
        m=ss.nextInt();
        System.out.println("Enter the number of Cassettes: ");
        n=ss.nextInt();
        book b[]=new book[m];
        tape t[]=new tape[n];
        for(i=0;i<m;i++)
        {
            b[i]=new book();
            b[i].getdata();
        for(i=0;i<n;i++)
            t[i]=new tape();
            t[i].getdata();
```

```
for(i=0;i<n;i++)
{
    t[i]=new tape();
    t[i].getdata();
System.out.println("The books with the number of pages greater than 500 :");
for(i=0;i<m;i++)
    if(b[i].getpagecount()>500)
        b[i].putdata();
        count++;
    }
System.out.println("The no. of books with pages greater than 500: "+count);
System.out.println("Enter the playing time: ");
playing_time=ss.nextInt();
System.out.println("The Cassettes with Playing time lesser than "+playing_time+" minutes is: ");
for(i=0;i<n;i++)
    if(t[i].getplaytime()<playing_time)</pre>
    {
        t[i].gettitle();
book b2=new book();
book b3=new book();
b3=b2.getdetails(b2);
b3.putdata();
```

```
Enter the number of books:
Enter the number of Cassettes:
Enter the book details:
Title:
Price:
340
Page Count:
560
Enter the book details:
Title:
OliverTwist
Price:
450
Page Count:
400
Enter the Cassette details:
Title:
Holocaust
Price:
450
Playing time in minutes:
Enter the Cassette details:
Title:
Life
Price:
200
Playing time in minutes:
20
The books with the number of pages greater than 500 :
The book Details are:
Title: Outbreak
Price: 340.0
Page Count: 560
The no. of books with pages greater than 500: 1
Enter the playing time:
The Cassettes with Playing time lesser than 30 minutes is:
Title: Life
This is inside the method returning object of class book
The book Details are:
Title: BreakTime
Price: 500.0
Page Count: 330
```