LAB -TEST -1

```java
import java.util.*;

class publication
{
String title;
double price;


void getdata()
{
Scanner sc=new Scanner(System.in).
System.out.println("Enter the littlle");
little = sc.nextLine();
System.out.println("Enter the price");
price = sc.nextDouble();
}

void putdata()
{
System.out.println(" Title = "+ title +
" Price ="+ price);



}


}


class book extends publication
{
    int pagecount;
```

```java
void input ()
{
System.out.println ("enter the number
of pages ");

Scanner sc = new Scanner (System.in);

page count = sc.nextInt();

}


int pages ()
{
return page.count;
}


}


class Tape extends publication
{
int playing time;

void input ()
{
Scanner sc = new Scanner (System.in);
System.out.println ("enter the
playing time ');

playing time = sc.nextInt();
}


int minutes()
{
return minutes;
}
```

```java
class publicationMain
{
    public static void main (String args)
    {
        Scanner sc = new Scanner (System.in)
        int n, m, min;
        System.out.println (" Enter number of
        books");
        m = sc.nextInt();
        System.out.println (" enter number of
            Tapes");
        n = sc.nextInt();

        book b[] = new book [m];
        Tape T[] = new Tape [n];

        for (int i = 0; i<m; i++)
        {
            System.out.println ("Enter book" + (i+1) + "
                            details:");
            b[i] = new book();
            b[i]. getdata();
            b[i]. input();
            b[i]. putdata();
        }
        System.out.println (" Books with page
            for (int i=0 ; i<m ; i++)       greater than
            {                                        500

                if ( b[i]. pages > 500)
                b[i]. putdata();
            }
```

```
for (int i =0; i<n ; i++)
{
System.out.println ("Enter tape"+(i+1)+"
    details );
 .  T[i] = new Tape ();
    T[i]. getdata();
    T[i]. input();
}


System.out.println ("Details of all
  tapes ");
  for (int i=0; i<n; i++)
  {
     T[i]. putdata();
  }


System.out.println ("Enter. minimum
  minutes ");
  min = sc.nextInt();
System.out.println ("tapes having less than"+
  for (int i=0; i<n; i++)          min "minutes)
  {
     if ( T[i].minutes() < min )
        T[i]. putdata();
  }

}
}
```