Lab Test program :-   Publication question (Book / Audio cassette) :-

I import java.util.Scanner;

class publication
{

    String title;
    Double price;

}

class Book extends publications
{

    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);
    }
}

```java
    int getpagecount ()
    {
        return page-count ;
    }
}



class tape extends publication
{
                  playing-time
    int   play 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 (" Play time in minutes : ");
        playing-time
        play time = ss.nextInt ();

    }
                putdata
    void  getdata ()
    {
        System.out. println ("The cassette details are : ");
        System. out. println (" Title : " + title);
        System. out. println (" Price : " + price);
                                                                  playing-time
        System. out. println (" Play time in minutes: " + play time);

    }
```

);

```java
int get play time ()
{
    return playing-time;
}

void get title ()
{ System.out. println ("Title : " + title); }
}
class    publications main {

    public static void main (Strings 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. next Int();
        System.out. println (" Enter the number of Cassettes : ");
        n = ss. next Int();
        book    b[] = new book [m];

        tape t[] = new tape [n];

        for (int i = 0; i < m; i++)
        {
            book b[i] = new book();

            b[i]. get data();
        }

        for (int i = 0; i < n; i++)
        {
            tape t[i] = new tape();
            t[i]. get data();
        }
```

Name:- Khushil. M. Sindhwad

USN:- 1BM19CS072

Sec:- III Sem CSE 'B'

10-11-2020

```
System.out.println(" The books    with the number of pages
                    - greater than 500 ");

for (int i = 0; i < m; i++)
{
    if ( b[i]. get page count() > 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 cassette with playing time lesser-
                    - than " + playing-time + " minutes is : ");
for (int i = 0; i < n; i++)
{
    if (t[i]. get playtime < playing-time)
    {
                 gettitle
        t[i]. putdata();
    }
}
}
}
```

④