

## LAB - Test - 1

Q. Publishing company - Publication class is extended by two other classes book and tape

A. class Publication {

int price;

String title;

class book extends Publication

{

int page-count;

void getData()

{

Scanner get = new Scanner(System.in);

System.out.println("Enter book Details:");

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

title = get.next();

System.out.println("PRICE:");

price = get.nextInt();

System.out.println("PAGES:");

Page-count = get.nextInt();

}

~~private~~ void putdata()

{

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

System.out.println("PRICE: " + Price);

System.out.println("No of PAGES: " +

page-count);

}

Class Tape extends publication

{  
int playing-time;

void getdata()

{

~~Scanner get = new~~

Scanner get = new Scanner(System.in);

System.out.println("Enter strds of tape");

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

title = get.next();

System.out.println("PRICE:");

price = get.nextInt();

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```

system.out.println(playing - time = get.next
Int();
playing - time = get.next Int();
}
}

```

class Publication Main {

```

{
    public static void main(String args[])
    {
        int m, n;

```

```

Scanner.get = new Scanner(System.in);

```

```

System.out.println("Enter no. of books to enter:");

```

```

m = get.next Int();

```

```

System.out.println("Enter no. of Tape to

```

```

n = get.next Int() enter:");

```

```

book b = new book[m];

```

```

tape t = new tape[n];

```

```

System.out.println("Enter details of the
books :-");

```

```

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

```

```

{

```

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```
System.out.println("Book" + (i+1));
```

```
b[i] = new book[];
```

```
b[i] = getdata();
```

```
}
```

```
System.out.println("Enter details of Tapes");
```

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

```
{
```

```
System.out.println("Tape" + (i+1));
```

```
f[i] = new tape();
```

```
f[i] = getdata();
```

```
}
```

```
System.out.println("1. Check books for  
pages > 500)
```

```
Check Tapes for (< x min);
```

```
System.out.println("Enter choice:");
```

```
ch = get.nextInt();
```

```
switch (ch)
```

```
{
```

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```

Case 1: for (int j = 0; j < m; j++)
{
    if (b[i].page - count > 500)
    {
        b[i].putdata();
    }
    break;
}

```

```

Case 2: system.out.println("Enter mins to
                                check:");
min = get.nextInt();
for (int j = 0; j < n; j++)
{
    if (t[i].playing - time < min)
    {
        system.out.println(t[i].titleplaying - time);
    }
    break;
}
}
}

```

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