Extract Book Code - Hands -On

**Grade settings**: Maximum grade: 100  
**Disable external file upload, paste and drop external content**: Yes  
**Run**: Yes **Evaluate**: Yes  
**Automatic grade**: Yes

Universal Library wants to extract the book code for the arrangements and easy retrieval .

Write a program to implement this scenario to help them to extract.

**Business Rules:**

The book code should be length of 18 . else print " Invalid Book Code "

1 - The first 3 position is for Department Code .

2 - The next 4 position is for Publication Years

3 - The next 5 position is for Number of Pages.

4 - The next 6 position is for Book Id

The valid Department code is  101, 102, 103 else print " Invalid Department Code"

The valid Year of Publication is 1900 to 2020 else print " Invalid Year "

The valid Page Number is from 00001 to 99999 else print " Invalid Page Numbers"

The valid Book ID is character followed by numbers else print " Invalid Book ID"

Create a class Program and get the book code as input and implement the above functionalities

**Sample Input 1 :**

Enter the book code of length 18

101202012345J12345

**Sample Output 1:**

Department Code        : 101

Year of Publication     : 2020

Number of Pages        : 12345

Book ID                      : J12345

**Sample Input 2 :**

Enter the book code of length 18

102201945678G54321

**Sample Output 2:**

Department Code        : 102

Year of Publication     : 2019

Number of Pages        : 45678

Book ID                      : G54321

**Sample Input 3 :**

Enter the book code of length 18

102201945678G

**Sample Output 3:**

Invalid Book Code

**Sample Input 4:**

Enter the book code of length 18

104201945678G54321

**Sample Output 4:**

Invalid Department Code

Year of Publication     : 2019

Number of Pages        : 45678

Book ID                      : G54321