Ingin meminjam buku di perpustakaan,Buku yang ingin dipinjam terdapat di dalam 1 rak buku panjang yang memiliki total x buku didalam 1 rak buku tersebut,setiap baris dari rak tersebut ada 100 buku

Approach pertama:Mencari buku tersebut dari buku peratama-akhir satu per satu O(n)

Approach kedua:Mencari per 10 buku O(n/10)

Approach kertiga:Mencari setiap baris dari raknya O(n/100)

Approach keempat:Mencari dari tengah dan melihat buku tersebut berada di kiri atau kanan?log2(n)

**Pseudocode**

Approach 1

Start

Go to the bookshelf section

Start searching the book

If Bioliogy is on shelf

Claim biology book

Else

Quit

End

Approach 2

Start

Go to the bookshelf section

Start searching the book

If Biology is on the shelf

Claim Biology book

Else if the biology book is on the next 10 books

Go back to line 3

Else

Quit

Approach 3

Start

Go to the bookshelf section

Start searching the book

If Biology is on the shelf

Claim Biology book

Else if the biology is on the next 100 books

Go back to line 3

Else

Quit

Approach 4

Start

Go to the bookshelf section

Start searching the book

If Biology is on the shelf

Claim Biology book

Else if the biology book on the left side of the shelf

Search at the middle of the left side of the shelf

Go back to line 3

Else if the biology book is on the right side of the shelf

Search at the middle of the right side of the shelf

Go back to line 3

Else

Quit

End