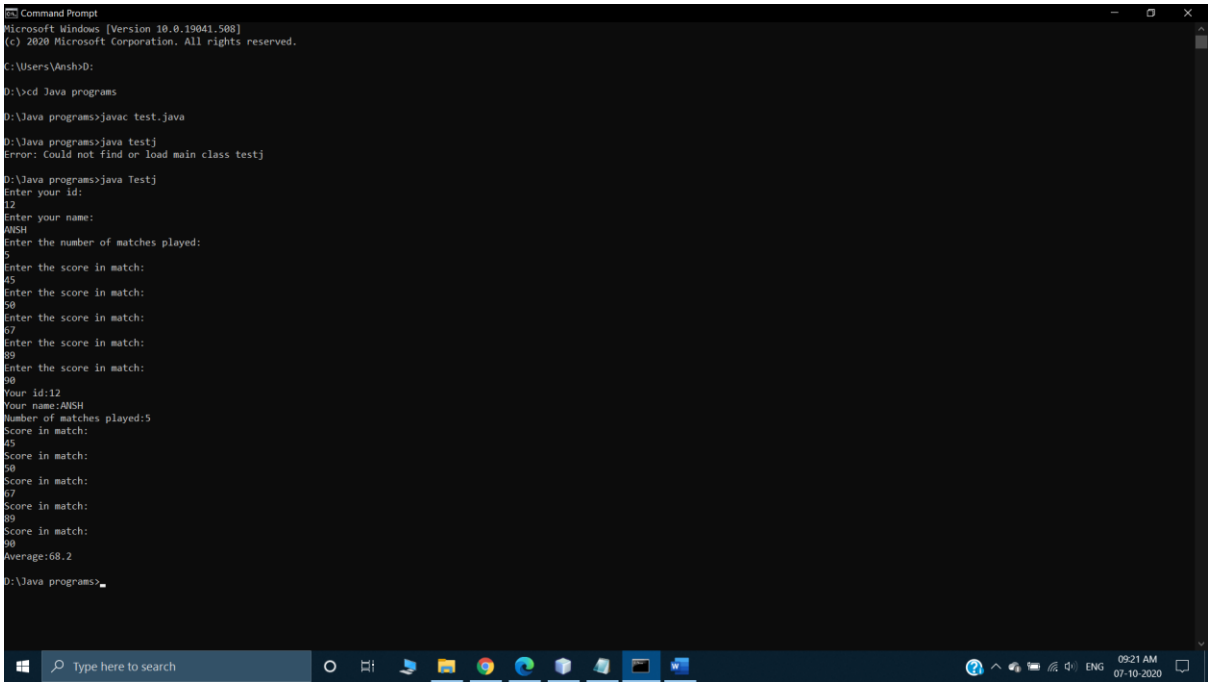
```
import java.util.Scanner;
class Player{

   int id,i,nom,sum;
   int  scores[];
   double average;
   String name;



      Player(){
      Scanner sc=new Scanner(System.in);
      System.out.println("Enter your id:");
      id=sc.nextInt();
      System.out.println("Enter your name:");
      name=sc.next();
      System.out.println("Enter the number of matches played:");
      nom=sc.nextInt();
      scores=new int[nom];
      for(i=0;i<nom;i++){
         System.out.println("Enter the score in match:");
         scores[i]=sc.nextInt();
      }



   }
   void printdata(){
      System.out.println("Your id:"+id);
      System.out.println("Your name:"+name);
      System.out.println("Number of matches played:"+nom);
      for(i=0;i<nom;i++){
         System.out.println("Score in match:\n"+scores[i]);
```

```
        }
    }
    void avg(){
        for(i=0;i<nom;i++){
            sum+=scores[i];
        }
        System.out.println("Average:"+(double)sum/nom);
    }
}
class Testj{



    public static void main(String[] args) {
        Player pl=new Player();
        pl.printdata();
        pl.avg();
    }



}
```

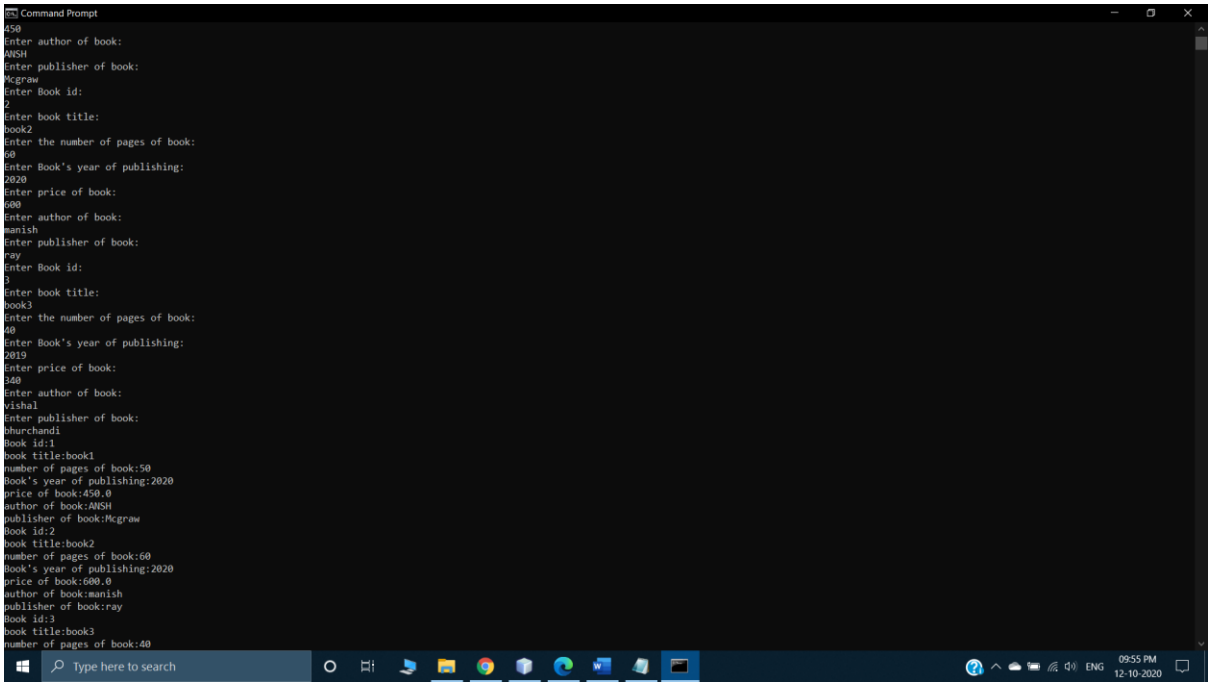



```
import java.util.Scanner;
class Book{

   int book_id,i,nop,year_of_pub;
   double price;
   String book_title,author,publisher;


      void getdata(){
      Scanner sc=new Scanner(System.in);
      System.out.println("Enter Book id:");
      book_id=sc.nextInt();
      System.out.println("Enter book title:");
      book_title=sc.next();
      System.out.println("Enter the number of pages of book:");
      nop=sc.nextInt();
```

```
    System.out.println("Enter Book's year of publishing:");
    year_of_pub=sc.nextInt();
    System.out.println("Enter price of book:");
    price=sc.nextDouble();
    System.out.println("Enter author of book:");
    author=sc.next();
    System.out.println("Enter publisher of book:");
    publisher=sc.next();
}
void printdata(){
    System.out.println("Book id:"+book_id);
    System.out.println("book title:"+book_title);
    System.out.println("number of pages of book:"+nop);
    System.out.println("Book's year of publishing:"+year_of_pub);
    System.out.println("price of book:"+price);
    System.out.println("author of book:"+author);
    System.out.println("publisher of book:"+publisher);
}
void author_name(){
    System.out.println("Book id:"+book_id);
    System.out.println("book title:"+book_title);
    System.out.println("number of pages of book:"+nop);
    System.out.println("Book's year of publishing:"+year_of_pub);
    System.out.println("price of book:"+price);
    System.out.println("author of book:"+author);
    System.out.println("publisher of book:"+publisher);

}
void most_exp(){
    System.out.println("The most expensive book is "+book_title);
}
```

```
    void count(int c){
        System.out.println("Number of books published in 2020:"+c);
    }
    void least_pages(){
        System.out.println("Book id:"+book_id);
        System.out.println("book title:"+book_title);
        System.out.println("number of pages of book:"+nop);
        System.out.println("Book's year of publishing:"+year_of_pub);
        System.out.println("price of book:"+price);
        System.out.println("author of book:"+author);
        System.out.println("publisher of book:"+publisher);
    }
}
class Testj{


    public static void main(String[] args) {
        String name;
        int price,count=0;
        Book bk1=new Book();
        bk1.getdata();
        Book bk2=new Book();
        bk2.getdata();
        Book bk3=new Book();
        bk3.getdata();
        bk1.printdata();
        bk2.printdata();
        bk3.printdata();
        Scanner sc=new Scanner(System.in);
        System.out.println("Enter the name of author");
        name=sc.next();
```

```
    if(name==bk1.author)
       bk1.author_name();
    else if(name==bk2.author)
       bk2.author_name();
    else
       bk3.author_name();
    if(bk1.price>bk2.price && bk1.price>bk3.price)
       bk1.most_exp();
    else if(bk2.price>bk1.price && bk2.price>bk3.price)
       bk2.most_exp();
    else
       bk3.most_exp();
    if(bk1.year_of_pub==2020)
       count++;
    if(bk2.year_of_pub==2020)
       count++;
    if(bk3.year_of_pub==2020)
       count++;
    bk1.count(count);
    if(bk1.nop<bk2.nop && bk1.nop<bk3.nop)
       bk1.least_pages();
    else if(bk2.nop<bk1.nop && bk2.nop<bk3.nop)
       bk2.least_pages();
    else
       bk3.least_pages();
  }


}
```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