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Topic name : Criminal Record

Theory

In this source code we stored Total 5 criminal record. If you entered the user id and password correctly then only you can get any particular Criminal information

✓ The Following Java Concept Use In This Project :-

- Opp's Concept - extends Keyword
- Scanner Class
- If & Else Statement
- Switch & Case Statement

• Opp's Concept - extends Keyword

- ❑ An object can acquire the properties and behaviour of another object using inheritance. in java, the extends keyword is used to indicate that a new class is derived from the base class using inheritance. so basically, extends keyword is used to extend the functionality of the class.
- ❑ In this project we use 'extends' keyword for print information about crimebranch department. the information just like What exactly does the Crime Branch do? Give the details of crime branch work .
- ❑ 'extends' keyword we use in a java when we perform program of Inheritance.
- ❑ The 'Final' Class is Subclass Inherits the attributes and methods from the 'Criminal' Class superclass
- ❑ The class 'Final' uses the extends keyword to derive from class 'Crime'. In a source code we called as a single Inheritance.

Scanner Class

- ❖ Scanner is a class in java.util package used for obtaining the input of the primitive types like int, double, etc. and strings. it is the easiest way to read input in a java program, though not very efficient if you want an input method for scenarios where time is a constraint like in competitive programming.
- ❖ To create an object of scanner class, we usually pass the predefined object system.in, which represents the standard input stream. we may pass an object of class file if we want to read input from a file. In the program source code we do as `Scanner obj = new Scanner (System.in);` and pass string parameter to stored user value
- ❖ To read strings, we use nextline(). We done in source code `user = input.nextLine();` Here user is String name
- ❖ In our program we use Scanner class for take user input like 'Criminal id' use integer type `choice =c1.nextInt();` here 'choice' is integer type & c1 is Scanner object
- ❖ As like above Two statement we used scanner for multiple times

If & Else Statement

- the java if statement is used to test the condition.
- it checks boolean condition: true or false. there are various types of if statement in java.
- In this project we use If & Else To Access main Criminal information. We set particular User name & password to execute the program and get information about Criminal.
- In this If & Else statement we used logical AND GATE (&&) Here meaning of AND GATE is the both the condition is TRUE then only Program Proceed Other wise it will print default statement 'Invalid Password'
- By using Scanner class we can take form user that's User id and password.
- After entering correct Username & Password the program asking your name. The name can be entered by using Scanner class .
- Suppose you write your name 'Kaivalya' Then it will print 'Welcome Kaivalya Sir' it can be given In source code.
- Here the **User name = Kaivalya@CriminalRecord & Password = Police**

Switch & Case Statement

- A **switch** statement allows a variable to be tested for equality against a list of values. each value is called a case, and the variable being switched on is checked for each case.

- Syntax :

```
switch(expression) {
```

```
case value :
```

```
// Statements
```

```
break; // optional
```

```
case value :
```

```
// Statements
```

```
break; // optional
```

```
// You can have any number of case statements.
```

```
default : // Optional
```

```
// Statements
```

```
}
```


Switch & Case Statement

- In this program We use switch statement to access any particular Criminal information.
- Here switch(Choice) is our expression, we use 'choice' as integer type.
- Case value is in integer type, we print the case value as a Criminal id,
- If user give the integer value 1 so it will consider as 'Criminal id 1' then it will print the content of **case 1** : as shown in output.
- According to above statement if user give input 2 then it will print whatever the content present in **case 2** : as shown in output.
- A break; It will use to terminates the loop immediately, and the control of the program moves to the next statement following the loop.in this program we use break to stop case after entering the concept of particular case.
- Default case, which must appear at the end of the switch. the default case can be used for performing a task when none of the cases is true. no break is needed in the default case. In this program our **default** is **It's invalid criminal id**

Source code

```
import java.util.*;

class Crime
{
    void display()
    {
        System.out.println(" ");

        System.out.println("a criminal record, police record, or colloquially rap sheet is a record of a person's criminal history.");

        System.out.println("the information included in a criminal record and the existence of a criminal record varies between countries ");

        System.out.println("and even between jurisdictions within a country.");

        System.out.println(" ");
    }
}

class Final extends Crime{
    public static void main (String args[])
```



```
{
    Scanner input = new scanner(system.In);
    String user, pass;
    System.Out.Print("enter your username : ");
    user = input.Nextline();
    System.Out.Print("enter your password : ");
    pass = input .Nextline();
    If(user.Equals("kaivalya@criminalrecord") && (pass.Equals("police"))){
        System.Out.Println("permission granted to cheack criminal record ");

        string str;

        Scanner obj = new Scanner (system.In);
        System.Out.Print("enter your name :");
        str = obj.Nextline();
        System.Out.Println("welcome "+str+" sir");
        Crime a3=new crime();
        A3.Display();
        Int choice;
        System.Out.Println("=====welocome TO CRIME BRANCH DEPARTMENT=====");
    }
```

```
System.Out.Println(" ");
System.Out.Println("criminal name -SUMIT SHETTI id-1");
System.Out.Println("criminal name -SHANTANU NAYAR id-2");
System.Out.Println("criminal name -YUVARJ THAKUR id-3");
System.Out.Println("criminal name -MOHIT SURVE id-4");
System.Out.Println("criminal name -RUSHI PEDNEKAR id-5");
Scanner c1=new scanner(system.In);
System.Out.Println("enter criminal id");
Choice =c1.Nextint();
Switch(choice) {
Case 1:
Int c;
System.Out.Println("list of the crime done by SUMIT SHETTI ");
System.Out.Println("crime_1--roerry--year 1999");
System.Out.Println("crime_2--drug--year 2000");
System.Out.Println("crime_3--car thif--year2003 ");
System.Out.Println("almost 4 crime done by SUMIT SHETTI ");
Break;
```

Case 2:

Int p;

System.Out.Println("list of the crime done by SHANTANU NAYAR");

System.Out.Println("crime_1--roerry--year 1999");

System.Out.Println("crime_2--car thif--year2003 ");

System.Out.Println("crime_3-- bike thif--year2006");

System.Out.Println("almost 3 crime done by SHANTANU NAYAR");

Break;

Case 3:

Int b;

System.Out.Println("list of the crime done by YUVARJ THAKUR ");

System.Out.Println("crime_1--bank roerry--year 1999");

System.Out.Println("crime_2--cybercrime--year 2003");

System.Out.Println("almost 2 crime done by YUVARJ THAKUR ");

Break;

Case 4:

Int n;

System.Out.Println("list of the crime done by MOHIT SURVE");

```
System.Out.Println("crime_1--pokit thif--year 1999");
System.Out.Println("crime_2-- FRAUD policy--year2006");
System.Out.Println("almost 2 crime done by MOHIT SURVE");
Break;
Case 5:
Int x;
System.Out.Println("list of the crime done by RUSHI PEDNEKAR ");
System.Out.Println("crime_1--roerry--year 1999");
System.Out.Println("crime_2--drug smuggling--year 2000");
System.Out.Println("almost 2 crime done by RUSHI PEDNEKAR");
Break;
Default:
    System.Out.Println("it's invalid criminal id");
}
Else{
System.Out.Println("you can't access criminal record ");
}System.Out.Println("_____");
}
```

Output

```
C:\Users\Dell\Desktop>java Final
Enter your Username : Kaivalya@CriminalRecord
Enter your Password : Police
Permission Granted to Cheack Criminal Record
Enter Your name :kaivalya
Welcome kaivalya Sir

A criminal record, police record, or colloquially rap sheet is a record of a person's criminal history.
The information included in a criminal record and the existence of a criminal record varies between countries
and even between jurisdictions within a country.

=====WELOCOME TO CRIME BRANCH DEPARTMENT=====

criminal name -SUMIT SHETTI id-1
criminal name -SHANTANU NAYAR id-2
criminal name -YUVARJ THAKUR id-3
criminal name -MOHIT SURVE id-4
criminal name -RUSHI PEDNEKAR id-5
Enter Criminal id
1
List of the crime done by SUMIT SHETTI
CRIME_1--ROERRY--year 1999
CRIME_2--Drug--year 2000
CRIME_3--car Thif--year2003
CRIME_4-- bike Thif--year2006
Almost 4 crime done by SUMIT SHETTI
```

Conclusion

- By using this CRIMINAL RECORD program we can get any kind of criminal information .
- In this program we can easily access history of criminal what kind of crime done by a criminal in which year he done crime .
- All of these information can be get a CRIME BRANCH easily by using this criminal record program.
- It must be secure , because of user name & password and data be safed means CRIME BRANCD OFFICERS can get data & who knows password will access all criminal record.
- Main advantage is that CRIME BRANCD OFFICERS get information about criminal very fastly.
- In this program gives in datail information about 5 most wanted criminal.

THANK YOU