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Enrollment number - 21162101012

Branch - CBA , Batch - 31

OOP Practical - 8

**Problem** : Zahir wants to fill an online admission for of a college, but requires the details of college such as college name and it's id. Implement a java based program to fetch the details and display them through single inheritance.

**Code :**

```
package yash_lakhtariya;

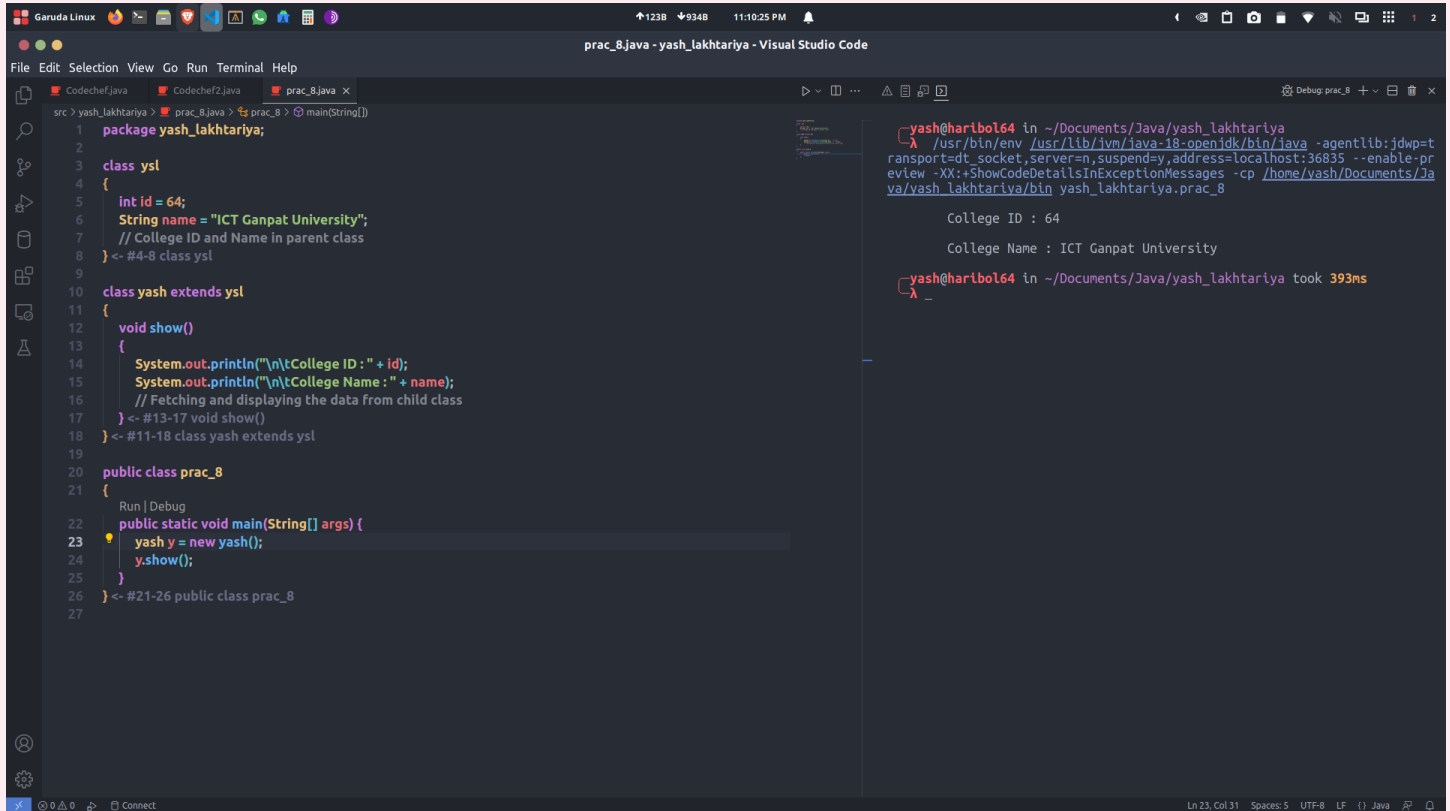
class ysl
{
    int id = 64;
    String name = "ICT Ganpat University";
    // College ID and Name in parent class
}

class yash extends ysl
{
    void show()
    {
        System.out.println("\n\tCollege ID : " + id);
        System.out.println("\n\tCollege Name : " + name);
        // Fetching and displaying the data from child class
    }
}

public class prac_8
{
    public static void main(String[] args) {
        yash y = new yash();
        y.show();
    }
}
```

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## Output :



The screenshot shows the Visual Studio Code editor with a Java file named `prac_8.java`. The code defines a package `yash_lakhtariya`, a class `ysl` with attributes `id` and `name`, and a child class `yash` that extends `ysl` and implements a `show()` method. A `main` method in `prac_8` creates an instance of `yash` and calls `show()`.

The terminal output on the right shows the execution of the program, displaying the college ID and name.

```
src > yash_lakhtariya > prac_8.java > $ javac prac_8.java && java -cp . yash_lakhtariya.prac_8
1 package yash_lakhtariya;
2
3 class ysl
4 {
5     int id = 64;
6     String name = "ICT Ganpat University";
7     // College ID and Name in parent class
8 } <- #4-8 class ysl
9
10 class yash extends ysl
11 {
12     void show()
13     {
14         System.out.println("\n\tCollege ID : " + id);
15         System.out.println("\n\tCollege Name : " + name);
16         // Fetching and displaying the data from child class
17     } <- #13-17 void show()
18 } <- #11-18 class yash extends ysl
19
20 public class prac_8
21 {
22     Run | Debug
23     public static void main(String[] args) {
24         yash y = new yash();
25         y.show();
26     } <- #21-26 public class prac_8
27 }
```

```
yash@haribol64 in ~/Documents/Java/yash_lakhtariya
$ /usr/bin/env /usr/lib/jvm/java-18-openjdk/bin/java -agentlib:jdwp=transport=dt_socket,server=n,suspend=y,address=localhost:36835 --enable-preview -XX:+ShowCodeDetailsInExceptionMessages -cp /home/yash/Documents/Java/yash_lakhtariya/bin yash_lakhtariya.prac_8
College ID : 64
College Name : ICT Ganpat University
yash@haribol64 in ~/Documents/Java/yash_lakhtariya took 393ms
```