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*Java 1*

*Sap id : 51834769*

*Answers.....*

*1)*

*public class Main*

*{*

*public static long factorial(int i)*

*{*

*return (i < 1) ? 1 : i \* factorial(i - 1);*

*}*

*public static void main(String[] args)*

*{*

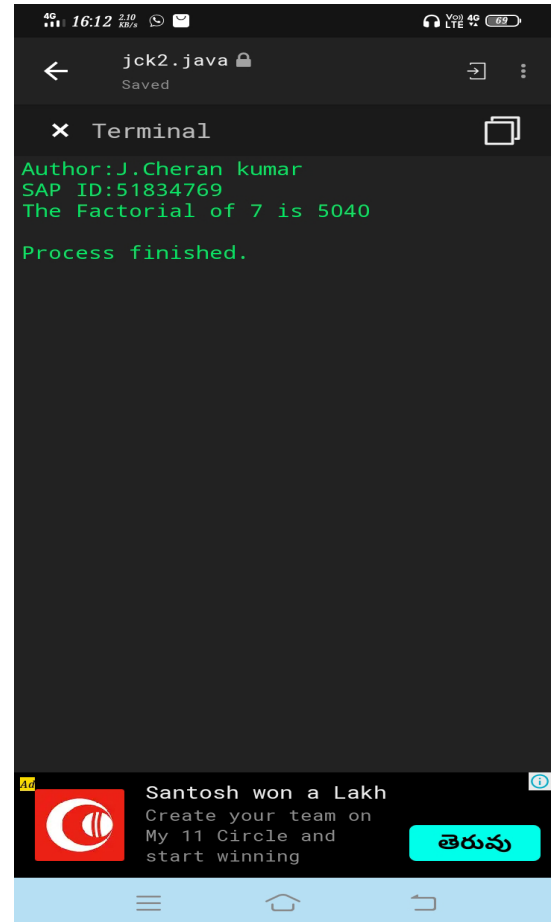
*System.out.println("Author:J. Cheran kumar\nSAP ID:51834769");*

*int i = 7;*

*System.out.println("The Factorial of " + i + " is " + factorial(i));*

*}*

*}*



3)

*abstract class Bank*

{

*abstract int getBalance();*

}

*class BankA extends Bank*

{

*int deposit=500;*

*int getBalance()*

{

*return deposit;*

}

}

*class BankB extends Bank*

{

*int deposit=550;*

*int getBalance()*

{

*return deposit;*

}

}

*class BankC extends Bank*

```
{  
    int deposit=600;  
    int getBalance()  
    {  
        return deposit;  
    }  
}  
  
class Main  
{  
    public static void main(String args[])  
    {  
        System.out.println("Author:J. Cheran kumar\nSAP ID:51834769");  
  
        //object for Bank A  
        BankA i=new BankA();  
        System.out.println("Balance in Bank A: "+i.getBalance());  
  
        //object for Bank B  
        BankB j=new BankB();  
        System.out.println("Balance in Bank B: "+j.getBalance());  
  
        //object for Bank C  
        BankC k=new BankC();  
        System.out.println("Balance in Bank C: "+k.getBalance());  
    }  
}
```

}

