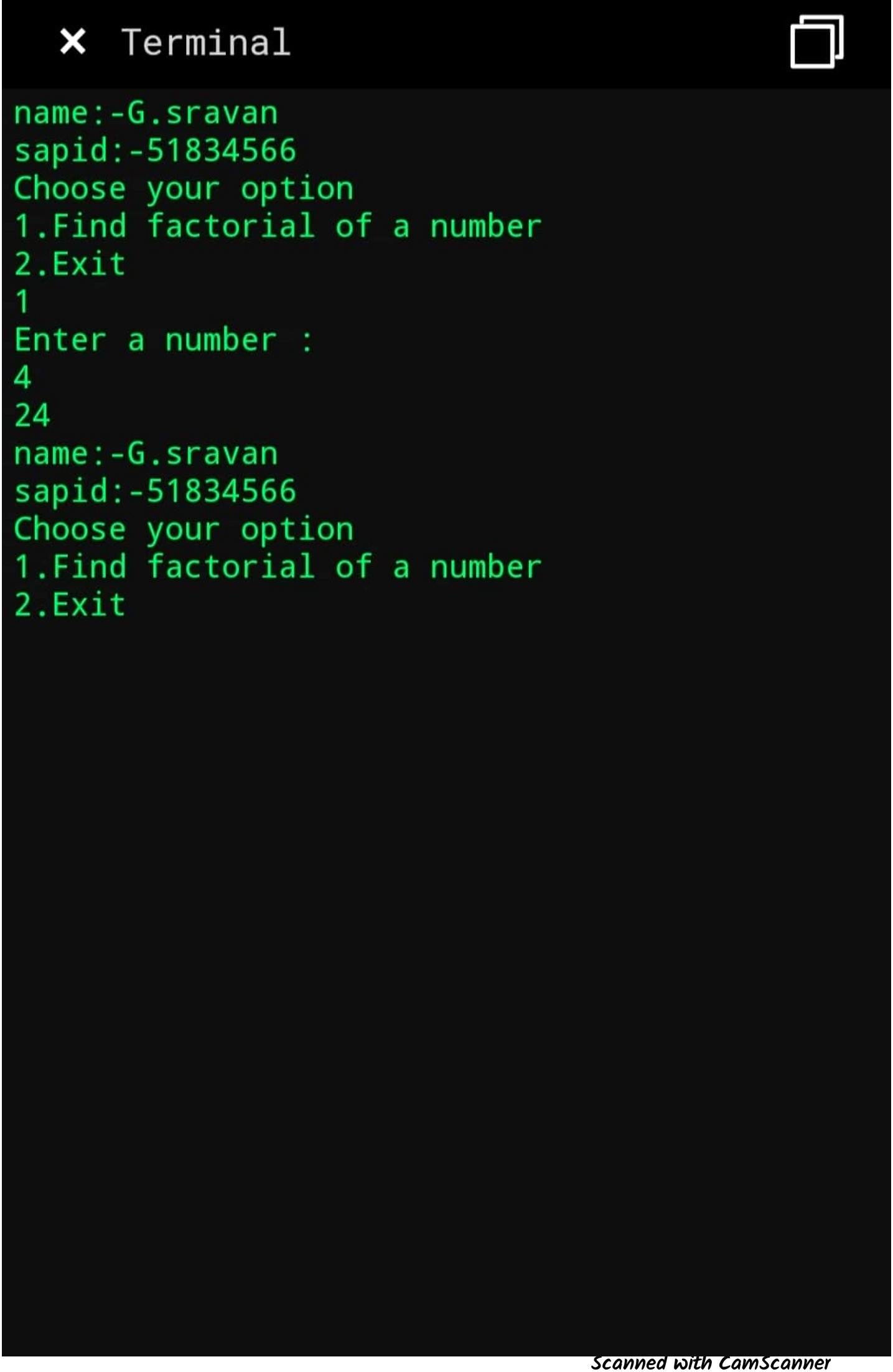
```java
import java.util.Scanner;
 class FactorialNum
 {
   static long factorial(int n)
   {
     int fact=1;
     for(int i=n;i>=1;i--)
     {
       fact=fact*i;
     }
     return fact;
   }
   public static void main(String args[])
   {
     Scanner sc=new Scanner(System.in);
     while(true)
     {
       System.out.println("name:-G.sravan\nsapid:-5
       System.out.println("Choose your option\n1.Fi
       int option=sc.nextInt();
       switch(option)
       {
         case 1 :
           System.out.println("Enter a number : ");
           int num=sc.nextInt();
           System.out.println(FactorialNum.factoria
           break;
         case 2 :
           System.out.println("Exited");
           System.exit(0);
         default :
           System.out.println("Invalid input");
       }
     }

   }
 }
```

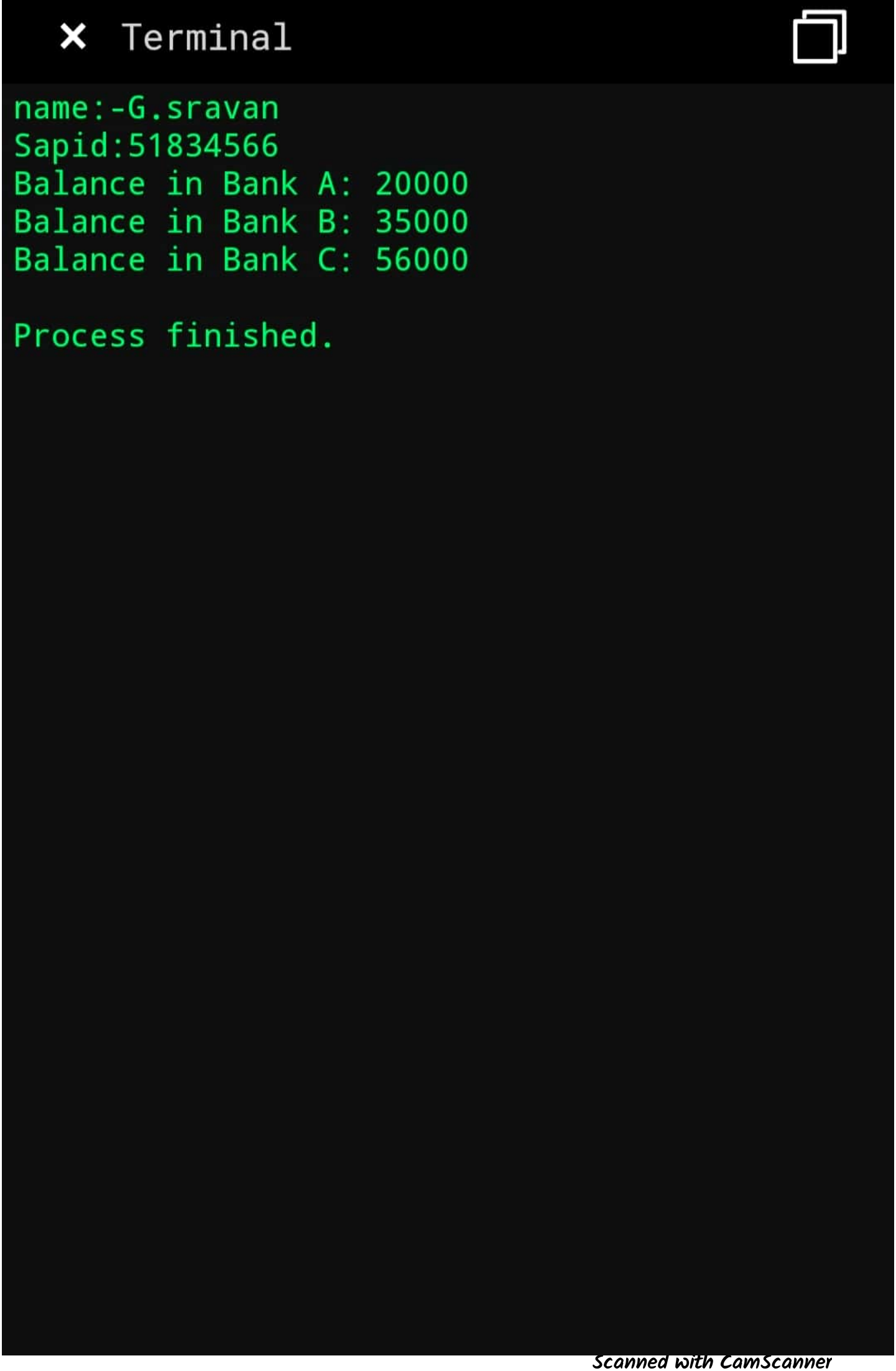


```
abstract class Bank
{
 abstract int getBalance();
}
class BankA extends Bank
{
 int deposit=20000;
 int getBalance()
 {
  return deposit;
 }
}
class BankB extends Bank
{
 int deposit=35000;
 int getBalance()
 {
  return deposit;
 }
}
class BankC extends Bank
{
 int deposit=56000;
 int getBalance()
 {
  return deposit;
 }
}
class Main
{
 public static void main(String args[])
 {
  System.out.println("name:-G.sravan\nSapid:518345
  //object for Bank A
  BankA i=new BankA();
  System.out.println("Balance in Bank A: "+i.getBa

  //object for Bank B
  BankB j=new BankB();
  System.out.println("Balance in Bank B: "+j.getBa

  //object for Bank C
  BankC k=new BankC();
  System.out.println("Balance in Bank C: "+k.getBa

 }
```

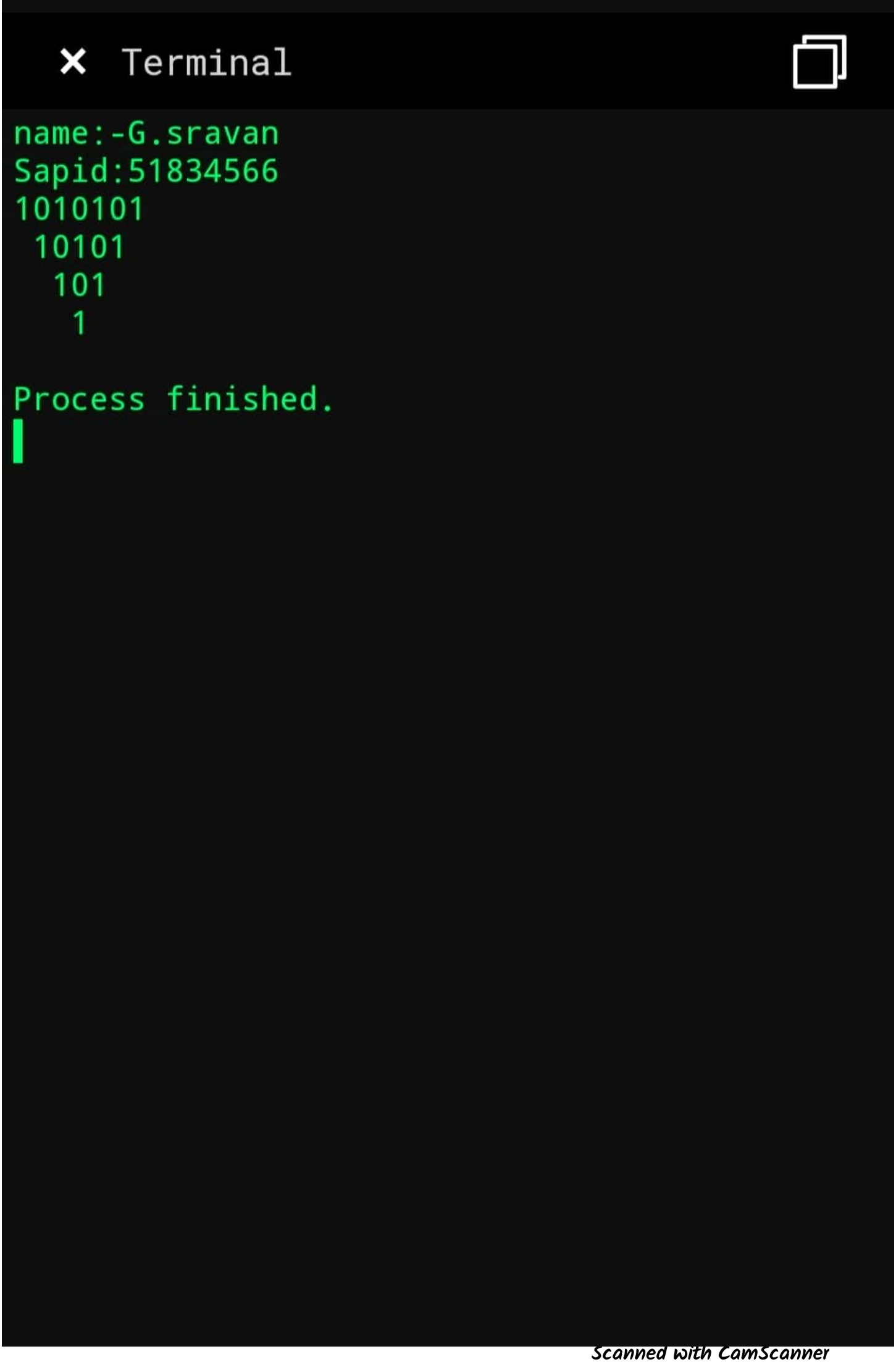


```
t java.util.Scanner;
s Pattern

olic static void main(String args[])

System.out.println("name:-G.sravan\nSapid:51834566"
Scanner sc=new Scanner(System.in);
for(int i=4;i>=1;i--)
{
  for(int j=4;j>i;j--)
  {
    System.out.print(" ");
  }
  for(int j=2*i-1;j>=1;j--)
  {
    if(j%2==0)
    {

      System.out.print("0");
    }
    else
    {
      System.out.print("1");
    }
  }
  System.out.println();
}
```



```java
import java.util.Scanner;

    public class Main
    {
        int Id;
        String Name;
        int Age;
        long Salary;

        void GetData()           // Defining GetDat
        {

            Scanner sc = new Scanner(System.in);

            System.out.print("\n\tEnter Employee Ic
            Id = Integer.parseInt(sc.nextLine());

            System.out.print("\n\tEnter Employee Na
            Name = sc.nextLine();

            System.out.print("\n\tEnter Employee Ag
            Age = Integer.parseInt(sc.nextLine());

            System.out.print("\n\tEnter Employee Sa
            Salary = Integer.parseInt(sc.nextLine()

        }

        void PutData()           // Defining PutDat
        {
            System.out.print("\n\t" + Id + "\t" +Na
        }

        public static void main(String args[])
        {

            System.out.println("name:- G.sravan\nSA
            Main[] M = new Main[10];
            int i;

            for(i=0;i<10;i++)
                M[i] =  new Main();   // Allocating

            for(i=0;i<10;i++)
            {
                System.out.print("\nEnter details o
```

```
16              Id = Integer.parseInt(sc.nextLine());
17
18              System.out.print("\n\tEnter Employee Na
19              Name = sc.nextLine();
20
21              System.out.print("\n\tEnter Employee Ag
22              Age = Integer.parseInt(sc.nextLine());
23
24              System.out.print("\n\tEnter Employee Sa
25              Salary = Integer.parseInt(sc.nextLine()
26
27          }
28
29          void PutData()              // Defining PutDat
30          {
31              System.out.print("\n\t" + Id + "\t" +Na
32          }
33
34          public static void main(String args[])
35          {
36
37              System.out.println("name:- G.sravan\nSA
38              Main[] M = new Main[10];
39              int i;
40
41              for(i=0;i<10;i++)
42                  M[i] =  new Main();   // Allocating
43
44              for(i=0;i<10;i++)
45              {
46                  System.out.print("\nEnter details o
47                  M[i].GetData();
48              }
49
50              System.out.print("\nDetails of Employee
51              for(i=0;i<3;i++)
52                  M[i].PutData();
53
54          }
55      }
```