

REPORT ON INSTAGRAM GROWTH CALCULATOR

INSTAGRAM GROWTH STRATEGY



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OVERVIEW

The Instagram Business growth Calculator is used to

- Determine Follower Growth Rate of the Instagram Business Account
- To make it easier for the Instagram user to track follower growth over time, this helps the Instagram user determine his future goals as he would have a rough picture of where he'd stand in building a greater audience for his business

GOALS

1. Help determine the follower growth of an Instagram account
2. Analysis of business goals
3. Help build a better community

SPECIFICATIONS

Here we consider the current number of followers, growth rate (in %age), decrease in followers per month (in %age), number of posts made per month and derive a mathematical formula to calculate the growth rate and use the same and run the program.

TOOLS USED

- Online java editor (Tutorial point)
- Jvdroid

SOURCE CODE:

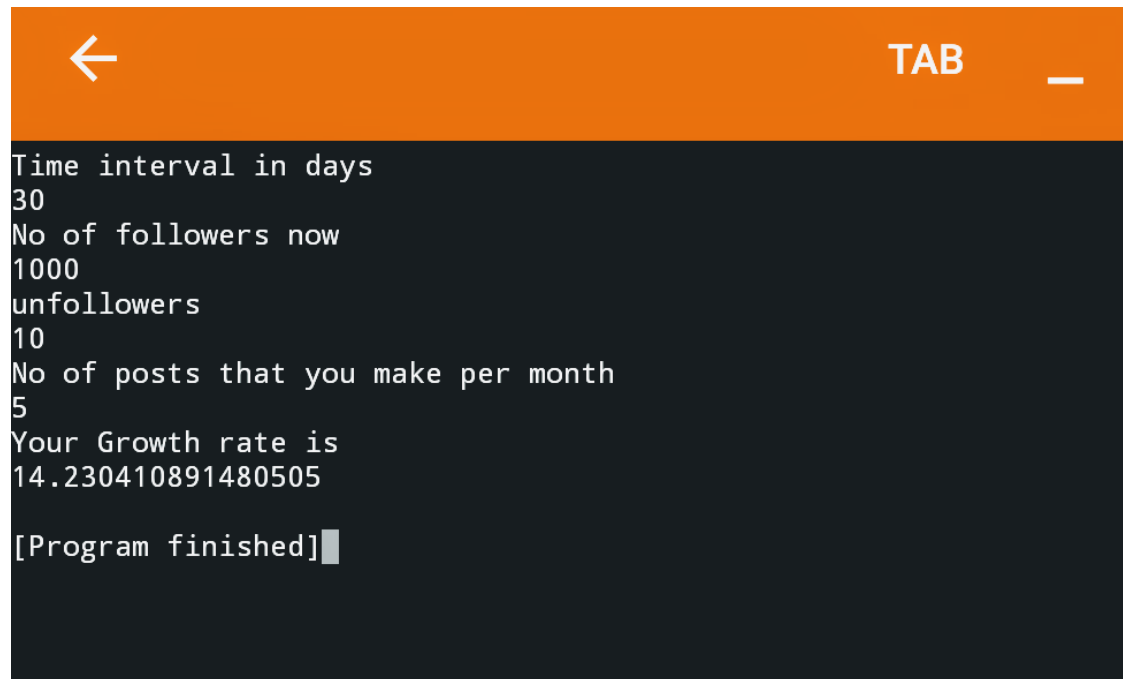
```
import java.util.Scanner;
//prajwalms
//1ve18ec070
//sri venkateshwara collage of engineering
//gowdaprajwal009@gmail.com
public class main{
public static void main(String[]args){
//a=no of followers currently_1000
//b=unfollowers
//c=no of posts that you make per month
//r=rate of growth
//t=time
//r=((a^1/t-b)*c)*100
System.out.println("Time interval in days");
Scanner scan1=new Scanner(System.in);
float t=scan1.nextFloat();
System.out.println("No of followers now");
Scanner Scan2=new Scanner(System.in);
float a=Scan2.nextFloat();
System.out.println("unfollowers");
Scanner Scan3=new Scanner(System.in);
float b=Scan3.nextFloat();
System.out.println("No of posts that you make per month");
Scanner Scan4=new Scanner(System.in);
float c=Scan4.nextFloat();
System.out.println("Your Growth rate is");
System.out.println(calculateGR(t,a,b,c));
}
public static double calculateGR(float t,float a,float b,float c){
double T=1/t;
double A=b/a; //unfollowers/Followers
double res=Math.pow(A, T);
double r=Math.abs((res-1)*100);
return r;
}
}
```

INPUT:

```
instagram growth
/storage/emulated/0/java...

1 import java.util.Scanner;
2 //Prajwal.M.S
3 //6363302562
4 //Sri Venkateshwara Collage Of Engineering
5 //gowdaprajwal009@gmail.com
6 public class main{
7     public static void main(String[] args){
8         //a=no of followers currently_1000
9         //b=unfollowers
10        //c=no of posts that you make per month
11        //r=rate of growth
12        //t=time
13        //r=((a^1/t-b)*c)*100
14        System.out.println("Time interval in days");
15        Scanner scan1=new Scanner(System.in);
16        float t=scan1.nextFloat();
17        System.out.println("No of followers now");
18        Scanner scan2=new Scanner(System.in);
19        float a=scan2.nextFloat();
20        System.out.println("unfollowers");
21        Scanner scan3=new Scanner(System.in);
22        float b=scan3.nextFloat();
23        System.out.println("No of posts that you make per month");
24        Scanner scan4=new Scanner(System.in);
25        float c=scan4.nextFloat();
26        System.out.println("Your Growth rate is");
27        System.out.println(calculateGR(t,a,b,c));
28    }
29    public static double calculateGR(float t,float a,float b,float c){
30        double T=1/t;
31        double A=b/a; //unfollowers/Followers
32        double res=Math.pow(A, T);
33        double r=Math.abs((res-1)*100);
34        return r;
35    }
36 }
```

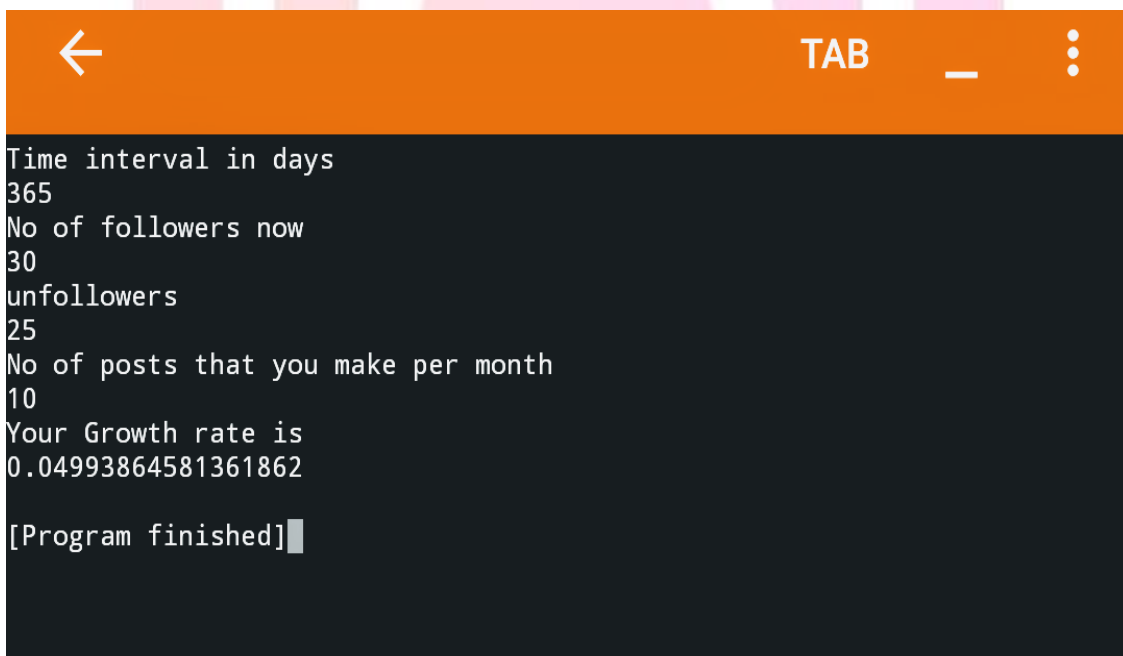
OUTPUT:



A screenshot of a mobile application interface. The top bar is orange with a white back arrow on the left, the text 'TAB' in the center, and a white underline on the right. The main content area is dark gray and displays the following text in a monospaced font: 'Time interval in days', '30', 'No of followers now', '1000', 'unfollowers', '10', 'No of posts that you make per month', '5', 'Your Growth rate is', '14.230410891480505', and '[Program finished]' followed by a cursor. A faint pink and white striped pattern is visible in the background.

```
Time interval in days
30
No of followers now
1000
unfollowers
10
No of posts that you make per month
5
Your Growth rate is
14.230410891480505

[Program finished]
```



A screenshot of a mobile application interface, similar to the one above. The top bar is orange with a white back arrow on the left, the text 'TAB' in the center, and a white underline and a white three-dot menu icon on the right. The main content area is dark gray and displays the following text in a monospaced font: 'Time interval in days', '365', 'No of followers now', '30', 'unfollowers', '25', 'No of posts that you make per month', '10', 'Your Growth rate is', '0.04993864581361862', and '[Program finished]' followed by a cursor. A faint pink and white striped pattern is visible in the background.

```
Time interval in days
365
No of followers now
30
unfollowers
25
No of posts that you make per month
10
Your Growth rate is
0.04993864581361862

[Program finished]
```



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