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| ***Report on Instagram business growth rate calculator*** | |
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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

● Linux 7.1 or Windows xp/7/8/10 operating system

● Java JDK 8

● Eclipse IDE

SOURCE CODE

import java.util.Scanner;

//Chandan Kumar G // 1BG18CS023 //BNMIT //5th Sem

public class IGCE {

public static void main(String [] args){

// a = Number of followers

// b = Number of Unfollowers

// c = Number of posts in a month

// r = rate of growth

// t = time interval

// r = ((a^1)t-b)\*c)\*100

System.out.println("Time Interval in days");

Scanner scan1 = new Scanner(System.in);

// To Read the Input from the User

float t = scan1.nextFloat();

System.out.println("Number of followers");

Scanner scan2 = new Scanner (System.in);

// To Read the Input from the User

float a = scan2.nextFloat();

System.out.println("Number of unfollowers");

Scanner scan3 = new Scanner (System.in);

// To Read the Input from the User

float b = scan3.nextFloat();

System.out.println("Number of post in a month");

Scanner scan4 = new Scanner (System.in);

// To Read the Input from the User

int c = scan4.nextInt();

System.out.println("Growth rate in percentage");

//TO Display the calculated Growth rate

System.out.println(calculateGR(t,a,b,c));

}

public static double calculateGR(float t,float a,float b,int c){

//calculate function

double T=1/t ; //Equating 1/t to T

double A = b/a ; //unfollowers / followers = A

double cal=Math.pow(A,T); //calculation

double r= Math.abs((cal-1)\*100); // Formulae

return r; //returning the result

}

}

OUTPUT





