1. What will be the output of this program:

int a = 10;

if (a=11)

System.out.println(“I am 11”);

else

System.out.println(“I am not 11”);

1. Write a program to find out whether a student is pass or fail; if it requires total 40% and at least 33% in each subject to pass. Assume 3 subjects and take marks as an input from the user.
2. Calculate income tax paid by an employee to the government as per the slabs mentioned below:

|  |  |
| --- | --- |
| Income Slab | Tax |
| 2.5L – 5.0L | 5% |
| 5.0L – 10.0L | 20% |
| Above 10.0L | 30% |

Note that there is not tax below 2.5L. Take the input amount as input from the user.

1. Write a Java program to find out the day of the week given the number [1 for Monday, 2 for Tuesday … and so on!]
2. Write a Java program to find whether a year entered by the user is a leap year or not.
3. Write a program to find out the type of website from the URL:

.com – commercial website

.org – organization website

.in – Indian website

package com.company;

import java.util.Scanner;

import java.util.Random;

public class cwh\_19\_ch4\_ps {

public static void main(String[] args) {

// Question 1:

// int a = 11;

// if(a=11){

//

// }

// Question 2

// byte m1, m2, m3;

// Scanner sc = new Scanner(System.in);

// System.out.println("Enter your marks in Physics");

// m1 = sc.nextByte();

//

// System.out.println("Enter your marks in Chemistry");

// m2= sc.nextByte();

//

// System.out.println("Enter your marks in Mathematics");

// m3 = sc.nextByte();

// float avg = (m1+m2+m3)/3.0f;

// System.out.println("Your Overall percentage is: " + avg);

// if(avg>=40 && m1>=33 && m2>=33 && m3>=33){

// System.out.println("Congratulations, You have been promoted");

// }

// else{

// System.out.println("Sorry, You have not been promoted! Please try again.");

// }

// Question 3

// Scanner sc = new Scanner(System.in);

// System.out.println("Enter your income in Lakhs per annum");

// float tax = 0;

// float income = sc.nextFloat();

// if(income<=2.5){

// tax = tax + 0;

// }

// else if(income>2.5f && income <= 5f){

// tax = tax + 0.05f \* (income - 2.5f);

// }

// else if(income>5f && income <= 10.0f){

// tax = tax + 0.05f \* (5.0f - 2.5f);

// tax = tax + 0.2f \* (income - 5f);

// }

// else if(income>10.0f){

// tax = tax + 0.05f \* (5.0f - 2.5f);

// tax = tax + 0.2f \* (10.0f - 5f);

// tax = tax + 0.3f \* (income - 10.0f);

// }

//

// System.out.println("The total tax paid by the employee is: " + tax);

// Question 4:

// Scanner sc = new Scanner(System.in);

// int day = sc.nextInt();

//

// switch (day){

// case 1 -> System.out.println("Monday");

// case 2 -> System.out.println("Tuesday");

// case 3 -> System.out.println("Wednesday");

// case 4 -> System.out.println("Thursday");

// case 5 -> System.out.println("Friday");

// case 6 -> System.out.println("Saturday");

// case 7 -> System.out.println("Sunday");

// }

// Question 6

// Scanner sc = new Scanner(System.in);

// String website = sc.next();

// if(website.endsWith(".org")){

// System.out.println("This is an organizational website");

// }

// else if(website.endsWith(".com")){

// System.out.println("This is a Commercial website");

// }

// else if(website.endsWith(".in")){

// System.out.println("This is an Indian website");

// }

Random r = new Random();

int a = r.nextInt();

System.out.println(a);

}

}