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| LAB ASSIGNMENT 1 |
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Ans 1-

import java.util.\*;

public class ans1 {

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

*int* num;

        Scanner scan = new Scanner(System.in);

        System.out.print("Enter a number: ");

        num = scan.nextInt();

*int* mul=1;

        for(*int* i=1; num/i>0; i\*=10){

            mul \*= (num/i)%10;

        }

        System.out.println("Product of integers: "+mul);

        scan.close();

    }

}

Output-



Ans 2-

import java.util.\*;

public class ans2 {

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

*long* min;

        Scanner scan = new Scanner(System.in);

        System.out.print("Enter minutes: ");

        min = scan.nextInt();

*long* days = min/(24\*60);

        System.out.println("Number of years: "+days/365);

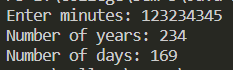
        System.out.println("Number of days: "+days%365);

        scan.close();

    }

}

Output-



Ans 3-

import java.util.Scanner;

public class ans3 {

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

        Scanner scan = new Scanner(System.in);

        System.out.print("Enter Height in inches : ");

*double* height = scan.nextDouble();

        if (height == 0.0d)

            System.out.println("Sorry, height can not be zero");

        height \*= 0.0254;

        System.out.print("Enter weight in pounds : ");

*double* weight = scan.nextDouble();

        weight \*= 0.45359237;

*double* BMI = weight / (height \* height);

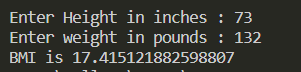
        System.out.println("BMI is " + BMI);

        scan.close();

    }

}

Output-



Ans 4-

import java.util.Scanner;

public class ans4 {

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

        Scanner scan = new Scanner(System.in);

        System.out.print("Enter Balance : ");

*double* balance = scan.nextDouble();

        System.out.print("Enter annual interest rate : ");

*double* annualRate = scan.nextDouble();

*double* interest = (balance \* annualRate) / 1200.0;

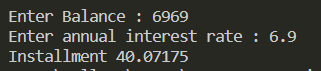
        System.out.println("Installment"+" "+ interest);

        scan.close();

    }

}

Output-



Ans 5-

import java.util.Scanner;

public class ans5{

    public static *void* main(String[] *s*) {

        Scanner scan = new Scanner(System.in);

*int* num1, num2;

        System.out.print("Enter 2 numbers: ");

        num1 = scan.nextInt();

        num2 = scan.nextInt();

        if(num2 > num1 || num2 == 0)

            System.out.println("Not a multiple");

        else{

            if(num1 % num2 == 0)

                System.out.println("Yes it is a multiple");

            else

                System.out.println("Not a multiple");

        }

        scan.close();

    }

}

Output-



Ans 6-

import java.util.Scanner;

public class ans6{

    public static *void* main(String[] *s*) {

        Scanner scan = new Scanner(System.in);

*int* num1;

        System.out.print("Enter a number: ");

        num1 = scan.nextInt();

        System.out.print("Binary representation: ");

        String bin = Integer.toBinaryString(num1);

        System.out.println(bin);

        System.out.print("Octal representation: ");

        bin=Integer.toOctalString(num1);

        System.out.println(bin);

        System.out.print("Hexadecimal representation: ");

        bin=Integer.toHexString(num1);

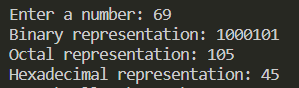
        System.out.println(bin);

        scan.close();

    }

}

Output-



Ans 7-

import java.util.Scanner;

public class ans7 {

    public static class Details{

        String first, last;

*long* mobile;

*void* display(){

            System.out.println("First Name: "+first);

            System.out.println("Last Name: "+last);

            System.out.println("Mobile: "+mobile);

        }

    }

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

        Scanner scan = new Scanner(System.in);

*int* n;

        System.out.print("Enter number of details you will enter: ");

        n = scan.nextInt();

        String str[] = new String[n];

        for(*int* i=0; i<n; i++)

            str[i] = scan.nextLine();

        Details[] det = new Details [n];

        for(*int* i=0; i<n; i++){

            det[i].first = str[i].split(" ", 2)[0];

            det[i].last = str[i].split(" ", 2)[1];

            det[i].mobile = Long.parseLong(str[i].split("\t", 2)[1]);

        }

        for(*int* i=0; i<n; i++)

            det[i].display();

        scan.close();

    }

}