1

// Admission Number: 123456

// Name: John Doe

// Description: This program prints "Hello World" to the console.

public class HelloWorld {

public static void main(String[] args) {

System.out.println("Hello World");

}

}

2

// Admission Number: 123456

// Name: John Doe

// Description: This program takes two predefined numbers, adds them, and prints the sum.

public class SumOfTwo {

public static void main(String[] args) {

int x = 5; // First number

int y = 7; // Second number

int sum = x + y; // Calculate the sum

System.out.println("The sum of " + x + " and " + y + " is " + sum);

}

}  
  
3  
// Admission Number: 123456

// Name: John Doe

// Description: This program calculates the bonus amount based on salary and years of service.

import java.util.Scanner;

public class EmployeeBonus {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

// Ask user for salary and years of service

System.out.print("Enter your salary: ");

double salary = scanner.nextDouble();

System.out.print("Enter your years of service: ");

int yearsOfService = scanner.nextInt();

double bonusPercentage;

// Determine the bonus percentage based on years of service

if (yearsOfService > 10) {

bonusPercentage = 12;

} else if (yearsOfService >= 6 && yearsOfService <= 10) {

bonusPercentage = 10;

} else {

bonusPercentage = 8;

}

// Calculate the bonus amount

double bonus = salary \* (bonusPercentage / 100);

// Print the result

System.out.println("Your bonus is: " + bonus);

scanner.close();

}

}