Write a program to print the total amount available in the ATM machine with the conditions applied.

Total denominations are 2000, 500, 200, 100, get the denomination priority from the user and the total number of notes from the user to display the total available balance to the user

CODE:

import java.util.Scanner;

public class ATM {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

// Denominations

int[] denominations = {2000, 500, 200, 100};

int totalAmount = 0;

// Input denomination priority and number of notes

for (int i = 0; i < denominations.length; i++) {

System.out.print("Enter the number of notes for denomination " + denominations[i] + ": ");

int numberOfNotes = scanner.nextInt();

totalAmount += numberOfNotes \* denominations[i];

}

// Output total amount available

System.out.println("Total amount available in the ATM machine: " + totalAmount);

}

}

OUTPUT:

C:\javap>javac ATM.java

C:\javap>java ATM

Enter the number of notes for denomination 2000: 5

Enter the number of notes for denomination 500: 1

Enter the number of notes for denomination 200: 2

Enter the number of notes for denomination 100: 3

Total amount available in the ATM machine: 11200

