import java.util.Scanner;

// solution3 program to reverse a given number using loop

public class Solution3 {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.*in*);

// input from user to reverse

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

int number = scanner.nextInt();

// Initialize variables for reversing

int reversed = 0;

// Loop to reverse the number

while (number != 0) {

int digit = number % 10; // Separating last digit

reversed = reversed \* 10 + digit; // New value for reversed number

number /= 10; // Remove the last digit

}

// Output of reversed number

System.*out*.println("Reversed number: " + reversed);

}

}

OUTPUT:

Enter a number to reverse: 876

Reversed number: 678