Question no.1

import java.io.\*;

import java.util.Scanner;

class rev {

public static void main (String[] args) {

String str= "java", nstr="";

char ch;

System.out.print("Original word: ");

System.out.println("java");

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

{

ch= str.charAt(i);

nstr= ch+nstr;

}

System.out.println("Reversed word: "+ nstr);

}

}

Question no.2

import java.util.Scanner;

class UsernameValidator {

public static final String regularExpression = "^[a-zA-Z][a-zA-Z0-9\_]{6,19}$";

}

public class Solution {

private static final Scanner scan = new Scanner(System.in);

public static void main(String[] args) {

int n = Integer.parseInt(scan.nextLine());

while (n-- != 0) {

String userName = scan.nextLine();

if (userName.matches(UsernameValidator.regularExpression)) {

System.out.println("Valid");

} else {

System.out.println("Invalid");

}

}

Question no.3

class Main {

public static void main(String[] args) {

int num = 1234, reversed = 0;

System.out.println("Original Number: " + num);

while(num != 0) {

int digit = num % 10;

reversed = reversed \* 10 + digit;

num /= 10;

}

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

}

}

Question no.4

import java.util.Scanner;

public class VotingAge

{

public static void main(String[] args)

{

int age;

Scanner sc = new Scanner(System.in);

System.out.print("Enter your age=");

age = sc.nextInt();

if (age >= 18)

{

System.out.println("You are eligible for vote.");

}

else

{

System.out.println("You are not eligible for vote.");

}

}

}