**Write a program to read a number , calculate the sum of squares of even digits (values) present in the given number.**

Include a class **UserMainCode** with a static method **sumOfSquaresOfEvenDigits** which accepts a positive integer . The return type (integer) should be the sum of squares of the even digits.

Create a class **Main** which would get the input as a positive integer and call the static method sumOfSquaresOfEvenDigits present in the UserMainCode.

**Input and Output Format:**

Input consists of a positive integer n.

Output is a single integer .

Refer sample output for formatting specifications.

**Sample Input 1:**

56895

**Sample Output 1:**

100

public class UserMainCode

{

public static int display(int number){

int n1=0,n2=0;

while(number!=0)

{

n1=number%10;

if((n1%2)==0)

n2+=n1\*n1;

number/=10;

}

return n2;

}

}

**Write a program to read a string  and to test whether first and last character are same. The string is said to be be valid if the 1st and last character are the same. Else the string is said to be invalid.**

Include a class **UserMainCode** with a static method **checkCharacters** which accepts a string as input .

The return type of this method is an int.  Output should be 1 if the first character and last character are same . If they are different then return -1 as output.

Create a class **Main** which would get the input as a string and call the static method **checkCharacters** present in the UserMainCode.

**Input and Output Format:**

Input consists of a string.

Output is a string saying characters are same or not .

Refer sample output for formatting specifications.

**Sample Input 1:**

the picture was great

**Sample Output 1:**  
Valid

**Sample Input 1:**

this

**Sample Output 1:**

Invalid

**import** java.util.Scanner;

**public** **class** Main {

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

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

String s=sc.nextLine();

**int** res=UserMainCode.*checkCharacter*(s);

**if**(res==1)

{

System.*out*.println("Valid");

}

**else**

System.*out*.println("Invalid");

}

}

**public** **class** UserMainCode {

**public** **static** **int** checkCharacter(String s)

{

**int** res=-1;

**if**(s.charAt(0)==s.charAt(s.length()-1))

{

res=1;

}

**return** res;

}

}

**Write a program to read a positive number as input and to get the reverse of the given number and return it as output.**

Include a class **UserMainCode** with a static method **reverseNumber** which accepts a positive integer .

The return type is an integer value which is the reverse of the given number.

Create a **Main** class which gets the input as a integer and call the static method **reverseNumber** present in the**UserMainCode**

**Input and Output Format:**

Input consists of a positive integer.

Output is an integer .

Refer sample output for formatting specifications.

**Sample Input 1:**

543

**Sample Output 1:**

345

**Sample Input 1:**

1111

**Sample Output 1:**

1111

**import** java.util.Scanner;

**public** **class** Main

{

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

{

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

**int** a=sc.nextInt();

System.*out*.println(UserMainCode.*reverse*(a));

}

}

**public** **class** UserMainCode

{

**public** **static** **int** reverse(**int** a)

{

String s=String.*valueOf*(a);

StringBuffer sb=**new** StringBuffer(s);

sb.reverse(); //reverse return type is void

**int** res=Integer.*parseInt*(sb.toString());

**return** res;

}

}

**Given a method with string input. Write code to remove vowels from even position in the string.**

Include a class **UserMainCode** with a static method **removeEvenVowels** which accepts a string as input.

The return type of the output is string after removing all the vowels.

Create a **Main** class which gets string as an input and call the static method **removeEvenVowels** present in the**UserMainCode.**

**Input and Output Format:**

Input is a string .

Output is a string .

Assume the first character is at position 1 in the given string.

**Sample Input 1:**

commitment

**Sample Output 1:**

cmmitmnt

**Sample Input 2:**

capacity

**Sample Output 2:**

Cpcty

public class Main {

public static void main(String[] args) {

String s1="capacity";

System.out.println(removeEvenElements(s1));

}

public static String removeEvenElements(String s1) {

StringBuffer sb1=new StringBuffer();

for(int i=0;i<s1.length();i++)

if((i%2)==0)

sb1.append(s1.charAt(i));

else if((i%2)!=0)

if(s1.charAt(i)!='a' && s1.charAt(i)!='e' && s1.charAt(i)!='i' && s1.charAt(i)!='o' && s1.charAt(i)!='u')

if(s1.charAt(i)!='A' && s1.charAt(i)!='E' && s1.charAt(i)!='I' && s1.charAt(i)!='O' && s1.charAt(i)!='U')

sb1.append(s1.charAt(i));

return sb1.toString();

}

}