**ASSIGNMENT -1**

**CSA0985**

**PROGRAMMING IN JAVA**

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1. **Write a program to reverse a word using loop?**

public class Reverse

{

public static void main(String[] args) {

String string = "saveetha";

String reversedStr = "";

for(int i = string.length()-1; i >= 0; i--){

reversedStr = reversedStr + string.charAt(i);

}

System.out.println("Original string: " + string);

System.out.println("Reverse of given string: " + reversedStr);

}

}

**output:**

Original string: saveetha

Reverse of given string: ahteeva

**2.Write a program to check the entered user name is valid or not?**

import java.util.\*;

import java.io.\*;

public class user

{

public static void main(String[] args)

{

String a,b;

Scanner sc=new Scanner(System.in);

System.out.println("Enter the username:");

a=sc.next();

System.out.println("Re Enter the username:");

b=sc.next();

if(a.equals(b))

{

System.out.println("Username is valid");

}

else

{

System.out.println("Username is Invalid");

}

}

}

**Output:**

Enter the username:

shini

Re Enter the username:

shiny

Username is Invalid

**3. Write a program to reverse a number using loop?**

import java.io.\*;

import java.util.\*;

public class reverse

{

public static void main(String arg[])

{

try

{

Scanner sc=new Scanner(System.in);

int n,re=0,rem;

System.out.println("Enter a number:");

n=sc.nextInt();

while(n!=0)

{

rem=n%10;

re=re\*10+rem;

n=n/10;

}

System.out.println("The reversed number is:"+re);

}

catch(Exception e)

{

System.out.println("Enter a valid number");

}

}

}

**Output:**

Enter a number:

123456

The reversed number is:654321

**4. Write a program to find whether the person is eligible for vote or not. And if that particular person is not eligible, then print how many years are left to be eligible.**

import java.util.\*;

import java.io.\*;

public class vote

{

public static void main(String[] args)

{

try

{

int a,b;

Scanner sc=new Scanner(System.in);

System.out.println("Enter your age:");

a=sc.nextInt();

if(a>=18)

{

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

}

else

{

b=18-a;

System.out.println("You are allowed after"+b+"years");

}

if(a<0)

{

System.out.println("Entry only integer value");

}

}

catch(Exception e)

{

System.out.println("Entry only positive integer value");

}

}

}

**Output:**

Enter your age:

12

You are allowed after6years