**ASSIGNMENT -1**

**CSA0985**

**PROGRAMMING IN JAVA**

**Name: DUNDE.SHINI**

**Reg no: 192111292**

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