Write a program that gets n as input and print the number of digits in the number

Testcase 1 :

Input :

325345

Expected output:

6

Testcase 2 :

Input :

9879

Expected output:

4

ans:import java.util.Scanner;

public class CountDigits {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

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

long n = scanner.nextLong(); // Read the number

int digitCount = String.valueOf(n).length();

System.out.println("Number of digits: " + digitCount);

}

}

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Write a program that gets n as input and print the reverse of the number

Testcase 1 :

Input :

325345

Expected output:

543523

ans:public class Main

{

public static void main(String[] args) {

int n=325345;

while(n>0){

int l=n%10;

System.out.println(l);

n=n/10;

}

}

}

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Testcase 2 :

Input :

987987

Expected output:

789789

ans:public class Main

{

public static void main(String[] args) {

int n=987987;

while(n>0){

int l=n%10;

System.out.println(l);

n=n/10;

}

}

}

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Write a program that gets n as input and print the factorial of a number(n!).

Testcase 1 :

Input :

3

Expected output:

6

ans:public class Main

{

public static void main(String[] args) {

int n=3,fact=1;

for(int i=1;i<=n;i++){

fact=fact\*i;

}

System.out.println(fact);

}

}

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Testcase 2 :

Input :

5

Expected output:

120

ans:public class Main

{

public static void main(String[] args) {

int n=5,fact=1;

for(int i=1;i<=n;i++){

fact=fact\*i;

}

System.out.println(fact);

}

}

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Write a program that gets n as input and print all the prime numbers till that number.

Testcase 1 :

Input :

5

Expected output:

2 3 5

ans:public class Main

{

public static void main(String[] args) {

int n=5;

for(int x=2;x<=n;x++){

int flag = 0;

for(int i=2;i<x;i++){

if(x%i==0){

flag = 1;

}

}

if(flag==0){

System.out.println(x);

}

}

}

}

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Testcase 2 :

Input :

11

Expected output:

2 3 5 7 11

ans:public class Main

{

public static void main(String[] args) {

int n=11;

for(int x=2;x<=n;x++){

int flag = 0;

for(int i=2;i<x;i++){

if(x%i==0){

flag = 1;

}

}

if(flag==0){

System.out.println(x);

}

}

}

}

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