**Journal-1**

1. Write a program to take command line input and check number is odd or even.

import java.util.Scanner;

class oddeven148

{

public static void main(String [] args)

{

int A;

Scanner sc = new Scanner(System.in);

System.out.print("Enter any No. : "); A = sc.nextInt();

if(A%2==0)

System.out.println("The value "+A+" is even.");

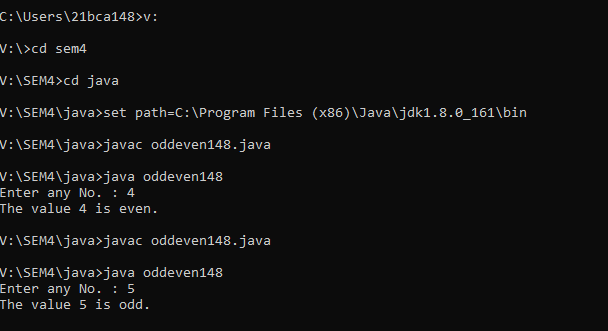
else

System.out.println("The value "+A+" is odd.");

}

}

Output :



2. Write a program to take command line input and sum of 2

number.

import java.util.Scanner;

class sum148

{

public static void main(String args[])

{

int x, y, sum;

Scanner sc = new Scanner(System.in); System.out.print("Enter the first No. : "); x = sc.nextInt();

System.out.print("Enter the second No. : "); y = sc.nextInt(); sum = sum(x, y);

System.out.println("The sum of two numbers x and y is: " + sum);

}

public static int sum(int a, int b)

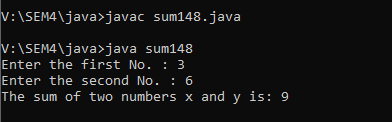
{

int sum = a + b; return sum;

}

}

Output :



3. Write a program to take command line input and calculate a Simple Interest.

import java.util.Scanner;

class simpleclass148

{

public static void main (String args[])

{

float p, r, n, si;

Scanner s=new Scanner(System.in);

System.out.print("Enter Value For Princip Amount :"); p=s.nextFloat();

System.out.print("Enter Value For Number Of Month :"); n=s.nextFloat();

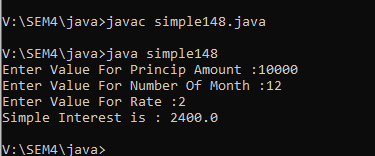
System.out.print("Enter Value For Rate :"); r=s.nextFloat(); si = (p\*r\*n)/100;

System.out.println("Simple Interest is : " +si);

}

}

Output :



4. Write a Program to take command line input and Check Number is Positive or Negative.

import java.util.Scanner;

class positivenegative148

{

public static void main(String [] a)

{

int b;

Scanner sc = new Scanner(System.in); System.out.print("Enter any No. : "); b = sc.nextInt();

if(b>0)

{

System.out.println(b+" is Positive.");

}

else

{

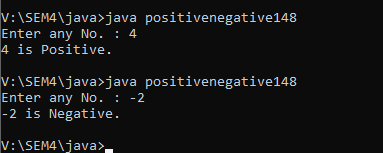
System.out.println(b+" is Negative.");

}

}

}

Output :



5. Write a Program to take command line input and Check Year is Leap Year or Not.

import java.util.Scanner;

class leapyear148

{

public static void main(String[] args)

{

int year;

boolean leap = false;

Scanner s=new Scanner(System.in); System.out.print("Enter any year : "); year=s.nextInt();

if (year % 4 == 0)

{

if (year % 100 == 0)

{

if (year % 400 == 0) leap = true;

else

leap = false;

}

else

leap = true;

}

else

leap = false; if (leap)

System.out.println(year + " is a leap year.");

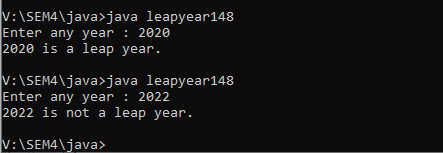
else

System.out.println(year + " is not a leap year.");

}

}

Output :



6. Write a program to take command line input and find the Character Is Vowel or Not.

import java.util.Scanner;

class vowel148

{

public static void main(String [] args)

{

char a;

Scanner sc=new Scanner(System.in); System.out.print("Enter any Character :"); a = sc.next().charAt(0);

if(a == 'a' || a == 'e' || a == 'i' || a == 'o' || a == 'u' || a == 'A' || a == 'E' || a == 'I' || a == 'O' || a == 'U' )

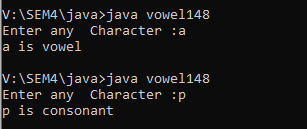
System.out.println(a +" is vowel"); else

System.out.println(a+ " is consonant");

}

}

Output :



7. Write a program to reverse a given number using while loop.

import java.util.Scanner;

class whileloop148

{

public static void main(String[] args)

{

int n , r = 0;

System.out.print("Enter any No. to reverse : "); Scanner sc = new Scanner(System.in); n = sc.nextInt(); while(n != 0)

{

int re = n % 10; r = r \* 10 + re; n = n/10;

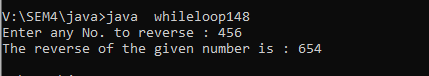
}

System.out.println("The reverse of the given number is : " + r);

}

}

Output :



8. Write a program to reverse a given number using for loop.

import java.util.Scanner;

class forloop148

{

public static void main(String[] args)

{

int n,i,r = 0;

System.out.print("Enter any No. to reverse : "); Scanner sc = new Scanner(System.in); n = sc.nextInt(); for(i=1;n!=0;i++)

{

int re = n % 10; r = r \* 10 + re; n = n/10;

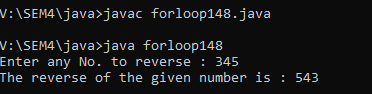
}

System.out.println("The reverse of the given number is : " + r);

}

}

Output :



9. Write a program to check number is Armstrong or Not

import java.util.Scanner;

class armstrong148

{

public static void main(String[] args)

{

int n, oN, r, re = 0;

Scanner sc = new Scanner(System.in); System.out.print("Enter the No. : "); n = sc.nextInt();

oN = n; while (oN != 0)

{

r = oN % 10; re += Math.pow(r, 3); oN /= 10;

}

if(re == n)

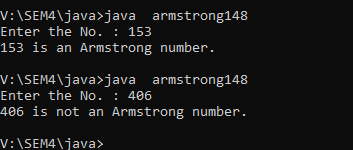
System.out.println(n + " is an Armstrong number."); else

System.out.println(n + " is not an Armstrong number.");

}

}

Output :



10. Write a to check number is Prime number or not.

import java.util.Scanner;

public class prime148

{

public static void main(String args[])

{

int i,n,m=0,flag=0;

Scanner sc = new Scanner(System.in); System.out.print("Enter any No. : "); n = sc.nextInt(); m=n/2; if(n==0||n==1)

{

System.out.println(n+" is not prime number");

}

else

{

for(i=2;i<=m;i++) { if(n%i==0) {

System.out.println(n+" is not prime number");

flag=1; break;

} } if(flag==0)

{

System.out.println(n+" is prime number");

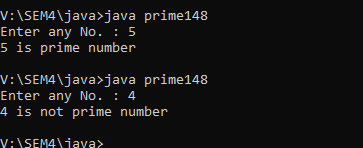
}

}

}

}

Output :



11. Write a program to check given string is Palindrome or not

import java.util.Scanner;

class palindrom148

{

public static void main(String[] args)

{

Scanner sc=new Scanner(System.in);

String str, reverseStr = "";

System.out.print("Enter any string :"); str = sc.nextLine(); int strLength = str.length(); for (int i = (strLength - 1); i >=0; --i)

{

reverseStr = reverseStr + str.charAt(i);

}

if (str.toLowerCase().equals(reverseStr.toLowerCase()))

{

System.out.println(str + " is a Palindrome String.");

}

else

{

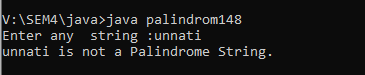
System.out.println(str + " is not a Palindrome String.");

}

}

}

Output :



12. Write a program in java to display the pattern like right angle triangle using an asterisk.

import java.util.Scanner;

class pattern1\_148

{

public static void main(String [] args)

{

int i,a,b=0;

Scanner sc=new Scanner(System.in); System.out.print("Enter any No. : "); a = sc.nextInt(); for(b=1;b<=a;b++)

{

for(i=1;i<=b;i++)

{

System.out.print(" \* ");

}

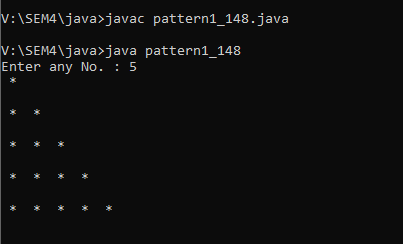
System.out.println("\n");

}

}

}

Output :



13. Write a program in java to make such a pattern like a pyramid with numbers increased by 1.

1

2 3

4 5 6

7 8 9 10

import java.util.Scanner;

class pyramid148

{

public static void main(String [] args)

{

int i,a,b,n=1;

Scanner sc=new Scanner(System.in); System.out.print("Enter any No. : "); a = sc.nextInt(); for(b=1;b<=a;b++)

{

for(i=1;i<=a;i++)

{

if((b+i)<=a)

{

System.out.print(" ");

}

else

{

System.out.print(n+" ");

n++;

}

}

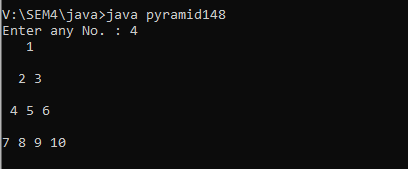
System.out.println("\n");

}

}

}

Output :



14. Write a C Program to display the pattern using the alphabet.

import java.util.Scanner;

class alphabet148

{

public static void main(String [] args)

{

int i,a,b=0; char c;

Scanner sc=new Scanner(System.in);

System.out.print("Enter any No. : ");

a = sc.nextInt(); for(b=a;b>=1;b--)

{

c='A';

for(i=1;i<=b;i++)

{

System.out.print(c+" ");

c++;

}

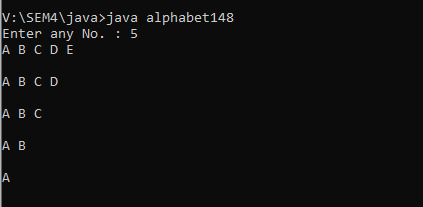
System.out.println("\n");

}

}

}

Output :



15. Write a program to take command line input and print factorial of given number.

import java.util.Scanner;

class factorial148

{

public static void main(String args[])

{

int n, c, f = 1;

System.out.print("Enter an integer to calculate its factorial : "); Scanner in = new Scanner(System.in); n = in.nextInt(); if (n < 0)

System.out.println("Number should be non-negative."); else

{

for (c = 1; c <= n; c++) f = f\*c;

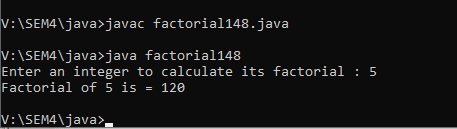
System.out.println("Factorial of "+n+" is = "+f);

}

}

}

Output :



16. Write a program to display Fibonacci series.

import java.util.Scanner; public class Fibonacci148

{

public static void main(String[] args)

{

int n, a = 0, b = 0, c = 1;

Scanner s = new Scanner(System.in); System.out.print("Enter value of n : "); n = s.nextInt();

System.out.print("Fibonacci Series : "); for(int i = 1; i <= n; i++)

{ a = b; b = c; c = a + b;

System.out.print(a+",");

}

System.out.print("\b.");

}

}

Output :

