**JAVA PROGRAMS**

**1.** **Program to print table of 5.**

public class firstprogram {

public static void main(String args[])

{

int i, tab;

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

for(i=1; i<=10; i++)

{

tab = 5\*i;

System.out.println (5 + " \* " + i + " = " + tab);

}

}

}

**2. Program to print the table of any number**.

import java.util.Scanner;

public class firstprogram {

public static void main(String args[])

{

int i, tab,num;

Scanner sc=new Scanner(System.in);

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

num=sc.nextInt();

for(i=1; i<=10; i++)

{

tab = num\*i;

System.out.println (num + " \* " + i + " = " + tab);

}

}

}

**3. Program to check Armstrong number using scanner.**

import java.util.Scanner;

public class program3{

public static void main(String[] args) {

int c=0,a,temp,n;

Scanner scan = new Scanner(System.in);

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

n=scan.nextInt();

temp=n;

while(n>0)

{

a=n%10;

n=n/10;

c=c+(a\*a\*a);

}

if(temp==c)

System.out.println("armstrong number");

else

System.out.println("Not armstrong number");

}

}

**4.Program to print fabanocci series**.

public class program4 {

public static void main(String[] args) {

int n1=0,n2=1,n3,i,count=10;

System.out.print(n1+" "+n2);

for(i=2;i<count;++i)

{

n3=n1+n2;

System.out.print(" "+n3);

n1=n2;

n2=n3;

}

}}

**5.Program to print the factorial of number.**

import java.util.Scanner;

public class program2 {

public static void main(String[] args) {

int i,fact=1,num;

Scanner scan= new Scanner(System.in);

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

num=scan.nextInt();

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

{

fact=fact\*i;

}

System.out.println("Factorial of"+num+"is:"+fact);

}

}

**6.Hangman game to display a menu**.

import java.util.Scanner;

public class hangman {

public void showMenu()

{

int option;

Scanner sc=new Scanner(System.in);

System.out.println("----Menu---");

System.out.println("1.Play");

System.out.println("2.Instructions");

System.out.println("3.Exit");

System.out.println("\n Choose the option");

option=sc.nextInt();

}

public static void main(String[] args)

{

hangman hg=new hangman();

hg.showMenu();

}}

**7. Obtain the class with employee details and print the menu,enter data, update ,display, and exit.**

import java.util.Scanner;

public class EmployeeDetails {

public void showMenu()

{

int option;

Scanner sc=new Scanner(System.in);

System.out.println("----Menu---");

System.out.println("1.Enter Data");

System.out.println("2.Update Data");

System.out.println("3.Display Data");

System.out.println("4.Exit");

System.out.println("\n Choose the option");

option=sc.nextInt();

}

public static void main(String[] args)

{

EmployeeDetails ed=new EmployeeDetails();

ed.showMenu();

}}

**8. Print the star pattern.**

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Code:

public class star {

public static void main(String[] args) {

int i;

for(i=5;i>=1;i--)

{

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

}}}

**9.Print the star pattern.**

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public class star{

public static void main(String[] args) {

int i,j;

for(i=1;i<=4;i++)

{

for(j=1;j<=5;j++)

{

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

}

System.out.println(" ");

}}}

**10. Print the pattern.**

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public class star {

public static void main(String[] args) {

int i ,j,k;

for(i=1;i<=5;i++)

{

for(j=4;j>=i;j--)

{

System.out.print(" ");

}}}

for(k=1;k<=(2\*i-1);k++)

{

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

}

System.out.println("");

}}}

**11. Print the pattern.**

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public class star {

public static void main(String[] args) {

int i,j;

for(i=1;i<=6;i++)

{

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

{

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

}

System.out.println( );

}}}

**12.Print the sum of first 10 natural no using while loop.**

public class sum {

public static void main(String[] args) {

int num=10,count=1,total=0;

while(count<=num)

{

total=total+count;

count++;

}

System.out.println("Sum of first 10 natural no. is:"+total);

}}

**13. Check whether no. is positive or negative.**

import java.util.Scanner;

public class check {

public static void main(String[] args) {

int num;

Scanner sc=new Scanner(System.in);

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

num=sc.nextInt();

if(num>0)

{

System.out.println(num+"is a positive number");

}

if(num<0{

System.out.println(num+"is a negative number");

}

else

{

System.out.println(num+"is neither positive nor neagative");

}}}

**14. Sum of two numbers.**

import java.util.Scanner;

public class sum {

public static void main(String[] args) {

int num1,num2,x;

Scanner sc=new Scanner(System.in);

System.out.println("Enter 1st number:");

num1=sc.nextInt();

System.out.println("Enter 2nd number:");

num2=sc.nextInt();

x=num1+num2;

System.out.println("Sum of number is:"+x);

}}