**Home Work**

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1. WAP to calculate the area of a circle and display it.

import java.util.Scanner;

class Hw

{

public static void main(String args[])

{

final double PI=3.14d;

Scanner sc=new Scanner(System.in);

System.out.print("Enter the radius of the circle: ");

double r=sc.nextDouble();

System.out.print("The area of the circle is "+(PI\*r\*r));

}

}

1. WAP to display the table of any number that user gives as input.

import java.util.Scanner;

class Hw

{

public static void main(String args[])

{

Scanner sc=new Scanner(System.in);

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

int n=sc.nextInt();

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

System.out.println(n+ " x "+i+" = " +(n\*i));

}

}

1. WAP to check if the entered character is a vowel or consonant.

import java.util.Scanner;

class Hw

{

public static void main(String args[])

{

Scanner sc=new Scanner(System.in);

System.out.print("Enter any character: ");

char c=sc.next().charAt(0);

if ((c>='a'&& c<='z')||(c>='A' && c<='Z'))

{

switch (c)

{

case 'a':

case 'A':

case 'e':

case 'E':

case 'i':

case 'I':

case 'o':

case 'O':

case 'u':

case 'U': System.out.println("The entered character is a Vowel!");

break;

default: System.out.println("The entered character is a Consonant!");

}

}

else

System.out.println("You did not enter a Charater!!!");

}

}

1. WAP using condition operator to check if the number is even or odd.

import java.util.Scanner;

class Hw

{

public static void main(String args[])

{

Scanner sc=new Scanner(System.in);

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

int n=sc.nextInt();

String s=(n%2==0)?"Even":"Odd";

System.out.println("The number is "+s);

}

}