**Control Statement Programs**

1. Write a program to check the given number is positive.

import java.util.Scanner;

public class CheckNumber

{

public static void main (String args[])

{

Scanner sc = new Scanner(System.in);

System.out.println("Enter the number you want to check");

int a = sc.nextInt();

if(a>0)

{

System.out.println("Your Number is positive");

}

else

{

if(a<0)

System.out.println("Your Number is negative");

}

}

}

1. Write a program to check whether the candidate is eligible for driving license.

import java.util.Scanner;

public class DrivingLicense

{

public static void main (String args[])

{

Scanner sc = new Scanner(System.in);

System.out.println("Enter you Age");

int a = sc.nextInt();

if(a>18)

{

System.out.println("Your are eligible for Driving License");

}

else

{

if(a<18)

System.out.println("Your are not eligible for Driving License");

}

}

}

1. Write a program to check whether the given number is Odd/Even.

import java.util.Scanner;

public class OddEven

{

public static void main (String args[])

{

Scanner sc = new Scanner(System.in);

System.out.println("Enter the number you want to check");

int a = sc.nextInt();

if(a%2==0)

{

System.out.println("Your number is even");

}

else

{

if(a%2==1)

System.out.println("Your number is odd");

}

}

}

1. Write a program to find largest of three Numbers

import java.util.Scanner;

public class Largest3

{

public static void main (String args[])

{

Scanner sc = new Scanner(System.in);

System.out.println("Enter the first number");

int a = sc.nextInt();

System.out.println("Enter the second number");

int b = sc.nextInt();

System.out.println("Enter the third number");

int c = sc.nextInt();

if(a>b && a>c)

{

System.out.println("Largest number is: " +a);

}

else{

if(b>c && b>a)

{

System.out.println("Largest number is: " +b);

}

else{

if(c>b && c>a)

{

System.out.println("Largest number is: " +c);

}}}

}}

1. Write a program to find the grade of a Student based on total marks

 Mark less than 40- Failed

 40 to 60–Grade D

 61 to 70-Grade C

 71 to 80-Grade B

 81 to 100-Grade A

import java.util.Scanner;

public class StudentScore

{

public static void main (String args[])

{

Scanner sc = new Scanner(System.in);

System.out.println("Enter your marks");

int a = sc.nextInt();

if(a>=81 && a<=100)

{

System.out.println("Your grade is A");

}

else

if (a>=71 && a<=80)

{

System.out.println("Your grade is B");

}

else

if (a>=61 && a<=70)

{

System.out.println("Your grade is C");

}

else

if (a>=40 && a<=60)

{

System.out.println("Your grade is D");

}

else

if (a<40)

{

System.out.println("Failed");

}

}}

6. Write a program to check whether the given character is Vowel/not (Use switch-case).

import java.util.Scanner;

public class Vowel

{

public static void main (String args[])

{

Scanner sc = new Scanner(System.in);

System.out.println("Enter the letter you want to check");

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

switch(Vow)

{case 'A':

System.out.println("Your letter is a vowel");

break;

case 'E':

System.out.println("Your letter is a vowel");

break;

case 'I':

System.out.println("Your letter is a vowel");

break;

case 'O':

System.out.println("Your letter is a vowel");

break;

case 'U':

System.out.println("Your letter is a vowel");

break;

case 'a':

System.out.println("Your letter is a vowel");

break;

case 'e':

System.out.println("Your letter is a vowel");

break;

case 'i':

System.out.println("Your letter is a vowel");

break;

case 'o':

System.out.println("Your letter is a vowel");

break;

case 'u':

System.out.println("Your letter is a vowel");

break;

default:

System.out.println("Your letter is not a vowel");

}

}}

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7. Swap with Temp

import java.util.Scanner;

public class SwapwithTempNew

{

public static void main (String args[])

{

Scanner sc = new Scanner(System.in);

System.out.println("Enter the numbers you want to swap");

int a = sc.nextInt();

int b = sc.nextInt();

int Temp;

Temp = a;

a=b;

b=Temp;

System.out.println("Numbers after swapping are: "+a +" " +b);

}}

8. Swap without Temp

import java.util.Scanner;

public class SwapwithoutTempNew

{

public static void main (String args[])

{

Scanner sc = new Scanner(System.in);

System.out.println("Enter the numbers you want to swap");

int a = sc.nextInt();

int b = sc.nextInt();

a=a+b;

b=a-b;

a=a-b;

System.out.println("Numbers after swapping are: "+a +" " +b);

}}