**5. Program to create a class for Employee having attributes eNo, eName eSalary. Read n employ information and Search for an employee given eNo, using the concept of Array of Objects**

import java.util.\*;

class Employee

{

int eno;

String ename;

int esalary;

Scanner sc=new Scanner(System.in);

void getdetails()

{

Scanner sc=new Scanner(System.in);

System.out.println("Enter eno:");

this.eno=sc.nextInt();

System.out.println("Enter ename:");

this.ename=sc.next();

System.out.println("Enter esalary:");

this.esalary=sc.nextInt();

}

void display()

{

System.out.println("Employee no:"+this.eno);

System.out.println("Employee name:"+this.ename);

System.out.println("Employee Salary:"+this.esalary);

}

public static void main(String args[])

{

Scanner sc=new Scanner(System.in);

Employee[] a1=new Employee[5];

int f=0;

for(int i=0;i<5;i++)

{

a1[i]=new Employee();

a1[i].getdetails();

}

System.out.println("Enter the id to be searched:");

int id=sc.nextInt();

for(int i=0;i<5;i++)

{

if(id==a1[i].eno)

{

a1[i].display();

break;

}

else

f++;

}

if(f!=0)

System.out.println("No match is found");

}

}

**6. Search an element in an array.**

import java.util.Scanner;

class StringSearch {

public static void main(String[] args) {

int i,j,x=0;

boolean state = false;

Scanner sc = new Scanner(System.in);

System.out.println("Enter the number of elemets in array");

int num=sc.nextInt();

String word[]=new String[num];

sc.nextLine();

for( i=0;i<num;i++){

System.out.println("\nEnter the element");

word[i]=sc.nextLine();

}

System.out.println("Enter the element to Search");

String search = sc.nextLine();

for( i=0;i<num;i++){

if(word[i].equals(search)){

x = i;

state = true;

}

} if(state){

System.out.println("Element found at position = "+x);

} else{

System.out.println("Element found not found");

}

sc.close();}}

**7. Perform string manipulations**

import java.util.Scanner;

class StringManip{

public static void main(String[] args) {

System.out.println("Enter The String");

Scanner sc = new Scanner(System.in);

String str1 = sc.nextLine();

System.out.println("Length of String = "+str1.length());

System.out.println("Character at First position = "+str1.charAt(1));

System.out.println("String Contains 'Col'sequence :"+str1.contains("Col"));

System.out.println("String ends with e : "+str1.endsWith("e"));

System.out.println("Replace'col' with 'kol' :"+str1.replaceAll("Col","kol"));

System.out.println("LOWERCASE : "+str1.toLowerCase());

System.out.println("UPPERCASE : "+str1.toUpperCase());

sc.close();

}}

**8. Program to Sort strings.**

import java.util.\*;

class SortString{

public static void main(String[] args) {

int i,j;

Scanner sc = new Scanner(System.in);

System.out.println("Enter the number of words");

int num=sc.nextInt();

String word[]=new String[num];

sc.nextLine();

for( i=0;i<num;i++){

System.out.println("\nEnter a Word\n");

word[i]=sc.nextLine();

}

for( i=0;i<num-1;i++){

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

if(word[i].compareTo(word[j])>0){

String temp = word[i];

word[i]=word[j];

word[j]=temp;

}

} }

System.out.println("Sorted Strings using compareTo function="+Arrays.toString(word));

sc.close();

}}