1>5students data should be store in array(ID,Name,Address) and display data value

1.Start

2.define main function

2.create array stu[]

3.add the detail of 5 students in array

4.initialize i =0 in for loop which runs tiil 5 elements.

5.display details of students.

6.end

public class students

{

public static void main(String[] args)

{

stu[] s =new stu[3];

s[0] = new stu("himanshu" , 101 , "Amreli");

s[1] = new stu("akash" , 102, "mumbai");

s[2] = new stu("karan" , 103 , "ahmedabad");

s[3] = new stu("yogi" , 104 , "bhavnagar");

s[4] = new stu("anil" , 105 , "Amreli");

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

{

System.out.println(s[i].toString());

}

}

}

2>sort using bubble sort based based on its employeeid

1.initialize

i<-0

2.while (i<n-1)repeat thru step 7

3.j<-0

4.While (j<n-i-1) repeat thru step 7

5.if(arr[j]>arr(j+1))

then

1.temp = arr[j-1];

2.arr[j-1] = arr [j];

3.arr[j] = temp;

6.j->j+1

7.i->i+1

8.End

public class bubblesort

{

public static vid main buubleSort(int[] arr)

{

int n =arr.length;

int temp = 0;

for(int j =1;j<(n-i);j++){

if(arr[j-1]>arr[j])

{

temp = arr[j-1];

arr[j-1] = arr [j];

arr[j] = temp;

}

}

}

}

public static void main(String[] args)

{

int arr[] = {104,102,103,105,101};

System.out.println(" before bubblr sort");

for(int i =0;i<arr.length;i++)

{

System.out.print(arr[i]+"");

}

System.out.println();

bubbleSort(arr);

System.out.println("after bubble sort");

for(int i=0;i<arr.length;i++){

System.out.print(arr[i] + "")

}

}

3>sort using selection sort based on its employeeid

1.initialize

ele <-o

2.While(ele<(n-1)) repeat thru step 7

3.j<-ele + 1

4.while(j<n) repeat thru step 6

5.if(arr[j]<arr[min\_ele])

min\_ele = j;

int temp = arr[min\_ele];

arr[min\_ele] = arr[i];

arr[i] = temp;

6.j<-j+1

7.ele<-ele + 1

8.End

public class Selectionsort

{

void sort(int arr[])

{

int n =arr.length;

for(int i = 0;i<n-1;i++)

{

int min\_ele = i;

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

if(arr[j]<arr[min\_ele])

min\_ele = j;

int temp = arr[min\_ele];

arr[min\_ele] = arr[i];

arr[i] = temp;

}

}

void printarray(int arr[]){

int n = arr.length;

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

System.out.print(arr[i] + " ");

System.out.println()

}

public static void main(String[] args){

Selectionsort stu = new Selectionsort();

int arr[] = {105,103,101,102,104};

stu.sort(arr);

System.out.println("Sorted");

stu.printarray(arr);

}

}