**Test 3**

**package** cielo;

**import** java.io.\*;

**import** java.util.\*;

**public** **class** program1 {

**static** Scanner *scan* = **new** Scanner (System.*in*);

**public** **static** **void** main (String[]args) **throws** Exception {

String name [] = **new** String[6]; //initialize the array

**int** x,y;

String temp;

FileWriter fwriter = **new** FileWriter ("test3.txt", **true**); //open a file

PrintWriter outputFile = **new** PrintWriter (fwriter);

Date date = **new** Date(); //for date display

String str = String.*format* ("Transacton Date: %tc", date);

outputFile.println(str);

//Enters data

**for**(x=0;x<6;x++)

{

System.*out*.print("Enter the Name"+(x+1)+":");

outputFile.println("Enter the Name"+(x+1)+":");

name[x]= *scan*.nextLine();

outputFile.println(name[x]);

}

//Display Elements

System.*out*.println("Display Elements \n");

outputFile.println("Display Elements \n");

**for** (x=0;x<6;x++)

{

System.*out*.println(name[x]);

outputFile.println(name[x]);

}

//Display Even Elements

System.*out*.println("Display Even Elements\n");

outputFile.println("Display Evan Elements\n");

**for** (x=1;x<6;x=x+2)

{

System.*out*.println(name[x]);

outputFile.println(name[x]);

}

//sort

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

outputFile.println("Descending \n");

**for**(x=0;x<6;x++){

**for**(y=x+1;y<6;y++){

**if** (name[x].compareTo(name[y])<0)

{

temp=name[x];

name[x]=name[y];

name[y]=temp;

}

}

System.*out*.print(name[x]);

outputFile.println(name[x]);

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

outputFile.println("\n");

}

outputFile.close();

}

}

