	,
 EXPERIMENT NO. 5	
Program on Array And String Functions	
 Name: Chaitanya Mandale	
 Branch: CMPN (A)	
 Roll No: 21102 A0044	
 Subject: Skill Based Lab: Object Oriented Programming With Java Batch: 2	
 Programming With Java.	
 Batch: 2	
 Pate:	
 Signature:	

Output

Enter The Number of Elements In Array

5
2 1 -2 6 8

Soxted Array:
-2 1 2 6 8

Ex	PERIMENT NO. 5		
	Program on Oxyay a	and string	function
	Program on array a	7	
	To ellaborate the arrays and vector	concept of	strings
	arrays and vector	85	
Tuante	i) Array.		

IMPLEMENTATION:

AIM:

COURSE: OUTCOME

import java. util. *;

public static void main (String args[])

Scanner t = new Scanner (System.in);

System.out.psintly ("Enter The Number Of

Elements In Array");

int n = t.nextInt();

int a [] = new int [n];

System. out-pointly ("Enter The Elements In Array")

for (int i=0: i<n+; i++) a[i] = t·next Int ();

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

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

if(a[j] > a[j+1])

temp = a[j];

STRING: Output

Enter the String To Be Checked For Palindrome sahas sahas 15 A Palindsome

EXPERIMENT MOSE

ENGENERACION: 1) Horas

(13560 Engs) and you spoke sight

-1 (m. 6021-13) 23000 3 mar = 1 13000

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italia interior

System. out-pointing (Liter The Florente

afil = tracktist ();

(++i ; 1-n > i ; 0= i +ni) or

(++; ; 1-0>; ; 0=; +ni) 131

```
a[j+1] = temp ;
     System.out. println ("Sorted Array:");
   System. out. print(" \mid n").

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

System.out. print(a[i]+"");
ii) String:
   import java.util. * ;
   public static void main (String's args[])
      Scanner t = new Scanner (System.in);
   int i, j, flag = 0;

System.out.pointln ("Enter the String To Be

Checked for Palindrome");
    5= t-next();
   j = 5 \cdot length() - 1;
while (i < j)
    if (s.charAt (i) ! = s.charAt (j)
```

if (flag == 0)
{
System.out.println (s+" Is A Palindrome");
clse System.out.println (5+" Is Not A Palindrome")

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	EXPERIMENT NO. 6
	Program On Vectors
1	Name: Chaitanya Mandale Branch: CMPN (A) Roll No: 2110270044 Subject: Skill Based Lab: Object Oriented Programming With Java Batch: 2 Pate: Signature:
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```
Enter Number of Students OM THEMPSINE
                                      1 see of News
      Enter Name of students
      Bhj
                         None: Charlanga Mondale
      Nik
                                 Fronch: CNPNO(1)
      MKL
                              Roll NO: 2110220094
      Menu:
    2. Pelete Element 10: dol 1000 11112
     3 : Display
     4: Exit
     Enter Choice
                                          ignatuse:
     Enter Name of Student And Its Position
    frt 2
    Record Insexted ...
    Menu:
   1: Insert Element
   2: Delete Element
   3: Display
   4: Exit
   Enter Choice
   Enter Name of Student
  hiu
  Entered Student Is Not Present In Records
  Menu:
  1: Insert Element
 2. Pelete Element
 3. Display
4- Exit
Enter Choice
 3
Bhj
Nik
Ast
MKL
```

	į į	EXPERIMENT NO.6
	AIM:	Program on vectors.
	COURSE OUTCOME:	To ellaborate the concept of strings arrays, vectors.
	IMPLEMENTATION:	
	,	impost java.util.*;
		class vector1
		\{\begin{align*} \chi \chi \chi \chi \chi \chi \chi \chi
		public static void main (String args[])
		Scanner t = new Scanner (System.in);
		Vector v = new Vector ();
		System.out.println ("Enter Number of
		Students");
		$int \eta = t \cdot next Int ();$
		System. out - print In ("Enter Name of Students");
		(for (int i = 0; i <n; i++)<="" th=""></n;>
		$Sting s = t \cdot next():$
		String s = t·next(); v·add Element(s);
		7
		while(true)
		7
		System. out printly ("Menu: \n 1: Insort Element
		System. out pointly ("Menu: \n 1: Insert Element \n 2: Delete Element \n 3: Display \n 4: Exit \n Enter Choice \n 11):
-		Enter Choice In 11):
		int ch = t - nextInt();
		if (ch = = 4)

```
case 1:
   System.out. println ("Enter Name Of Student And Its
 Position ");

String s1 = t·next();

int p = t·next Int();

v·insert Element At (s1, p);

System-out-println ("Record Inserted");
Case 2:
System.out. println ("Enter Name of Student");
String 52 = t.next();
for (j=0; j<v.size; j++)
{
    if (s2-equals (v-element At (j) · to String()) = = true
    System.out.printlin ("Entered Student Is Present
  V. remove. Element (52);

System. put. printly ("Record Deleted ....");

break;
```

if (j == v. size()) System.out. printly ("Enter Student Is Not Present In Records"); } break; for (int i=0; i < v-size(); i++)

System.out. printly (v. element At (i)- tostring(1);

break; System.out. println ("Invalid Choice"); default: