**Rocksana Talukder**

**Home Work: 2**

**1.**

package Homework;

import java.util.Scanner;

public class Container {

public static void main(String[] args) {

Scanner sc = new Scanner(System.in);

int[] numbers = new int[7];

System.out.println("Enter some numbers: ");

for(int i = 0 ;i<7; i++) {

numbers[i] = sc.nextInt();

}

System.out.println(numbers[5]);

sc.close();

}

}

Results:

Enter some numbers:

20

40

50

30

25

12

55

12

**2.**

package string;

public class UseString {

public static void main(String[] args) {

String st = "We are java programmer";

System.out.println(st.toUpperCase());

System.out.println(st.toLowerCase());

String x = "airplane";

System.out.println(x.charAt(2));

String y = "book";

System.out.println(y.concat("author"));

String t = "library";

System.out.println(t + "card");

String place = "united";

place += "states";

System.out.println(place );

String e = "Exit";

System.out.println(e.equalsIgnoreCase("Exit"));

System.out.println(e.equalsIgnoreCase("tixe"));

String number = "01234567";

System.out.println(number.length());

String num = "oxoxoxox";

System.out.println(num.replace('x','X'));

String a = "letter";

System.out.println(a.toUpperCase());

System.out.println(a.toLowerCase());

String s = "java is a programming language";

System.out.println(s.contains("Tom"));

System.out.println(s.contains("java"));

String s1 = "hi";

System.out.println(s1 + " x");

System.out.println(s1.trim() + "x");

String str = "java is fun to learn";

String s2 = "JAVA";

String s3 = "java";

String s4 = "Hello java";

System.out.println("char at index 2 (third position ):" + str.charAt(2));

System.out.println("After concat:" + str.concat("Enjoy"));

System.out.println("Checking length: " + str.length());

System.out.println("Replace function:" + str.replace("fun" , "easy"));

System.out.println("Converting to lower case:" + str.toLowerCase());

System.out.println("Converting to upper case :" + str.toUpperCase());

System.out.println("Triming string:" + s4.trim());

System.out.println("Searching s2 in str:" + str.contains(s2));

System.out.println("Searching s3 in str:" + str.contains(s3));

String h = "Students in class";

System.out.println(h.toUpperCase());

System.out.println(h.toLowerCase());

String n = "Paper work";

System.out.println(n.toUpperCase());

System.out.println(n.toLowerCase());

}

}

Results:

WE ARE JAVA PROGRAMMER

we are java programmer

r

bookauthor

librarycard

unitedstates

true

false

8

oXoXoXoX

LETTER

letter

false

true

hi x

hix

char at index 2 (third position ):v

After concat:java is fun to learnEnjoy

Checking length: 20

Replace function:java is easy to learn

Converting to lower case:java is fun to learn

Converting to uppercase :JAVA IS FUN TO LEARN

Triming string:Hello java

Searching s2 in str:false

Searching s3 in str:true

STUDENTS IN CLASS

students in class

PAPER WORK

paper work