**Rocksana Talukder**

**Home Work: 2**

**// 1. 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. String**

**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 = "orororor";

System.***out***.println(num.replace('r','R'));

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

oRoRoRoR

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 upper case :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

**//3.Laptop**

**package** Homework;

**public** **class** Laptop {

**public** String name;

**public** **int** price;

**public** Laptop() {}

**public** Laptop(String name) {

**this**.name = name;

System.***out***.println(name);

}

**public** Laptop(**int** price) {

**this**.price = price;

System.***out***.println(price);

}

**public** **void** setName(String name) {

**this**.name = name;

}

**public** **void** displayPrice() {

System.***out***.println(**this**.name);

}

}

**//TestLaptop**

**package** Homework;

**public** **class** TestLaptop {

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

Laptop Laptop1 = **new** Laptop( 600);

Laptop1.setName("Lenovo");

Laptop1.displayPrice();

}

}

**Result:**

600

Lenovo