Day-4 (23 Aug 2020)

<https://www.ascii-code.com/>

1. Write a program to print A to Z ( by using loop and its acii-code)
2. Write a program to print a to z
3. Write a program to convert any uppercase char to its lowercase and vice versa

Input : B

Output : b

Input : d

output : D

**package** com.onlineClass.warmup;

**import** java.util.Scanner;

**public** **class** onlineClass4 {

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

// **TODO** Auto-generated method stub

*print\_A\_to\_Z*();

*print\_a\_To\_Z*();

*upper\_lower\_case\_change*();

}

//Write a program to print A to Z ( by using loop and its acii-code)

**public** **static** **void** print\_A\_to\_Z(){

System.***out***.println("Print A to Z");

**for** (**int** i = 65; i<=90; i++) {

System.***out***.print((**char**)i+ " ");

}

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

}

//Write a program to print a to z ( by using loop and its acii-code)

**public** **static** **void** print\_a\_To\_Z(){

System.***out***.println("Print a to z");

**for** (**int** i = 97; i<=122; i++) {

System.***out***.print((**char**)i+ " ");

}

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

}

**public** **static** **void** upper\_lower\_case\_change(){

Scanner sc = **new** Scanner(System.***in***);

System.***out***.println("Enter letter: ");

String ch = sc.next();

**char** a = ch.charAt(0);

**if**(a>=65 && a<=90) {

System.***out***.println((**char**)(a+'a'-'A'));

}

**else** **if**(a>=97 && a<=122){

System.***out***.println((**char**)(a-32));

}

**else** {

System.***out***.println("Invalid character");

}

}

}

Day – 5

**public** **class** StringManipulation {

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

// **TODO** Auto-generated method stub

String fullname = "Sonu Sood";

String text = "I am Engineering Student. I love to play table tennis. I am in Bangalore.";

*findStringLength*(text);

*countSentence*(text);

*countSentenceMethod2*(text);

*NumberOfWords*(text);

*NumberOfWordsMethod2*(text);

*reverseFnLn*(fullname);

}

// length of String

**public** **static** **void** findStringLength(String text) {

System.***out***.println(text.length());// length method for String

**char**[] chArray = text.toCharArray();

**int** charCount = chArray.length;// length variable

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

}

// Count the number of sentence - Method1

**public** **static** **void** countSentence(String text) {

String[] str = text.split("\\.");

System.***out***.println(str.length);

}

// Count the number of sentence - Method2

**public** **static** **void** countSentenceMethod2(String text) {

**int** count = 0;

**char**[] chArray = text.toCharArray();

**for**(**int** i=1; i<chArray.length;i++) {

**if**(text.charAt(i)=='.') {

count++;

}

}

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

}

//Count the number of Words- Method1

**public** **static** **void** NumberOfWords(String text) {

**int** count = 1;

**char**[] chArray = text.toCharArray();

**for**(**int** i=1; i<chArray.length;i++) {

**if**(text.charAt(i)==' ') {

count++;

}

}

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

}

//Count the number of words - Method2

**public** **static** **void** NumberOfWordsMethod2(String text) {

String[] str1 = text.split(" ");

System.***out***.println(str1.length);

}

**public** **static** **void** reverseFnLn(String fullname) {

String frev = "";

String lrev = "";

String[] str = fullname.split(" ");

String firstname = str[0];

String Lastname = str[1];

System.***out***.println("First Name: "+firstname+ "and" + "Last Name: "+ Lastname);

**for**(**int** i = firstname.length()-1; i>=0;i--) {

frev = frev+firstname.charAt(i);

}

**for**(**int** i = Lastname.length()-1; i>=0;i--) {

lrev = lrev+Lastname.charAt(i);

}

System.***out***.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*Reverse\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*" );

System.***out***.println(frev+" "+lrev);

}

}