1. Create array list of type char with elements that at the end you will print output Morning.

char[] greeting = {'M', 'o', 'r', 'n', 'i', 'n', 'g'};  
String word = "";  
for (int t = 0; t < greeting.length; t++) {  
 word += greeting[t];  
}  
System.*out*.println(word);

1. Write a code to break the loop:

for (int index = 0; index < 5; index++)

when index is 2.

for (int index = 0; index < 5; index++) {  
 if (index == 2) {  
 break;  
 }  
System.*out*.println(index);

1. Create an array of type String with space for 5 String variables inside.

After add values to array elements.

Read all the element in an array (**use while loop**).

Print all elements.

String [] names = new String [5];  
names [0] ="Angelina";  
names [1] = "Frosina";  
names [2] = "Martin";  
names [3] = "Olivera";  
names [4] = "Vecko";  
  
int i = 0;  
  
while (i < names.length) {  
 System.*out*.println(names[i]);  
 i++;

1. Create an array variable of type int, name it **companyDepartment**.

Set 3 initial values in the array.

Create second variable of type int, name it **employees** and set its initial value to 0.

Loop through the array (**use for loop**) and add all elements to employees (to get total number of employees in the company).

Print out the total number of all employees in the company.

int [] companyDepartment = new int [3];  
companyDepartment [0] = 5;  
companyDepartment [1] = 7;  
companyDepartment [2] = 9;  
int employees = 0;  
  
for(int a = 0; a < companyDepartment.length; a++) {  
 employees += companyDepartment[a];  
  
}  
System.*out*.println(employees);

1. Create an array with elements 10,15,20.

Use **for- each loop** through the array.

There are 3 groups of students represented by the array group. If total number of students is not 60, calculate the available places in each group if the maximum number of students can be 20 for a given group. If total number of students is greater or equal to 60, than print "There are no available places for new students.".

(Use if else conditional statements.)

The result should be similar or same to this one:

int[] students = new int[3];  
students[0] = 10;  
students[1] = 15;  
students[2] = 20;  
int sum = 0;  
for (int group : students) {  
 sum += group;  
}  
int totalPlacesLeft = 60 - sum;  
System.*out*.println("The total number of students is " + sum);  
  
if (sum >= 60) {  
 System.*out*.println("There is no more space in the groups");  
} else {  
 for (int c = 0; c < students.length; c++) {  
 int groupNumber = c + 1;  
 if (students[c] != 20) {  
 int placesLeft = 20 - students[c];  
 System.*out*.println("Number of students in group [" + groupNumber + "] is " + students[c] + ". Another " + placesLeft + " students can enroll in this group. ");  
 } else {  
 System.*out*.println("There are no more available places in group [" + groupNumber + "]. ");  
 }  
 }  
  
}

