***Завдання 6.1*** (№13)

*#include <time.h>*

*#include <stdio.h>*

*#include <stdlib.h>*

*#include <string.h>*

*/\* run this program using the console pauser or add your own getch, system("pause") or input loop \*/*

*typedef struct {*

*char town\_name[64],candidate\_name[64];*

*}infa;*

*int main(void) {*

*infa \*candidate;*

*int A[100][100];*

*int Array[100],t;*

*int i,j,n,k;*

*printf("Enter n = ");*

*scanf("%d", &n);*

*candidate = (infa \*) calloc (n,sizeof(infa));*

*printf("Enter k = ");*

*scanf("%d", &k);*

*for (i = 0; i<k; i++)*

*{ for (j = 0; j<n; j++)*

*{ A[i][j] = rand()%150; }}*

*for (i=0; i<k; i++){*

*printf("Town ");*

*fflush(stdin);*

*gets(candidate[i].town\_name);}*

*for (i=0; i<n; i++){*

*printf("Name ");*

*fflush(stdin);*

*gets(candidate[i].candidate\_name);}*

*printf("\n \t");*

*for(i=0;i<n+1;i++){*

*printf("\t%s",candidate[i].candidate\_name);}*

*printf("\n");*

*for (i = 0; i<k; i++)*

*{printf("\t%s ",candidate[i].town\_name);*

*for (j = 0; j<n; j++)*

*{*

*printf("\t %d", A[i][j]);*

*}*

*printf("\n");*

*}*

*int max=0;*

*int max1=0;*

*int w,q;*

*for (i = 0; i<k; i++)*

*{*

*for (j = 0; j<n; j++)*

*{*

*if (i == 1 && A[i][j]>max) {max=A[i][j]; w=j;}*

*if (i == 2 && A[i][j]>max1) {max1=A[i][j]; q=j;}*

*}*

*}*

*printf("max points = %d Candidate - %s ",max,candidate[w].candidate\_name);*

*printf("\nmax points= %d Candidate - %s ",max1,candidate[q].candidate\_name);*

*printf("\n");*

*for (t=0;t<2;t++){*

*Array[0]=candidate[w].candidate\_name;*

*Array[1]=candidate[q].candidate\_name;*

*}*

*printf("Winners :: ");*

*for (t=0;t<2;t++){*

*printf("%s ",Array[t]);*

*} return 0; }*

***Завдання 6.2(№13)***

**6.2**

*#include <stdio.h>*

*#include <stdlib.h>*

*//run this program using the console pauser or add your own getch, system("pause") or input loop*

*int main(int argc, char \*argv[]) {*

*char Array[100];*

*char findL='a';*

*int i,k,n;*

*k=0;*

*printf("Enter line:");*

*gets(Array);*

*n=strlen(Array);*

*printf("Line length = %d",n);*

*for(i=0; i<strlen(Array); i++)*

*if(Array[i]==findL) k++;*

*printf("\nQuantity of Letter a = %d", k);*

*return 0;*

*}*

**а)**

*#include <stdio.h>*

*#include <stdlib.h>*

*#include <string.h>*

*int main()*

*{ char PIB[100];*

*int first\_name,last\_name,zero=0,count=0;*

*printf("Type surname name : ");*

*gets(PIB);*

*for (int i=0;i<strlen(PIB);i++)*

*{*

*if (PIB[i]==' ')*

*zero++;*

*if (PIB[i]==' ' && PIB[i+1]!=' ')*

*first\_name=i-1; }*

*if (zero<2)*

*{ printf("\nError");*

*return 1; }*

*int i;*

*for ( i=first\_name;i>0;i--)*

*if (PIB[i]==' ' && PIB[i-1]!=' ')*

*{last\_name=i+1;}*

*for (i=first\_name;i>=last\_name;i--)*

*printf("%c",PIB[i]);*

*return 0;}*

**б)**

*#include <stdio.h>*

*#include <string.h>*

*#define STOP ",. ;:!?"*

*int main()*

*{*

*char line[100], \*potochw, \*last;*

*int i;*

*fgets(line, 100, stdin);*

*for(potochw = strtok(line, STOP), i = 0; potochw; potochw = strtok(NULL, STOP), i++){*

*if(i){*

*last = potochw + strlen(potochw) - 1;*

*while(last >= potochw)*

*putchar(\*last--);*

*break;}*

*} return 0; }*