/\*//DAY-7

//1.A C program to return the ASCII value for a character

#include<stdio.h>

#include<string.h>

int main()

{

char ch;

printf("Enter the character:");

scanf("%c",&ch);

printf("The ASCII value of %c is %d\n",ch,ch);

return 0;

}

//2.A program that return the max occured character in given line of input

#include<stdio.h>

#define length 255

int main()

{

char s[20];

int i=0,max=0,ascii;

int freq[256];max=0,ascii;

printf("Enter the line:\n");

gets(s);

for(i=0;i<length;i++)

{

freq[i]=0;

}

i=0;

while(s[i] != '\0')

{

ascii = (int)s[i];

freq[ascii] += 1;

i++;

}

max=0;

for(i=0;i<length;i++)

{

if(freq[max]<freq[i])

{

max=i;

}

}

printf("Maximum occuring character is %c and %d",max,freq[max]);

return 0;

}

//3.A program that returns the word count in a given sentence

#include<stdio.h>

#include<string.h>

int main()

{

char s[100];

int i,count=0;

printf("Enter the sentence:");

gets(s);

for (i=0;s[i]!='\0';i++)

{

if (s[i] == ' ')

count++;

}

printf("Number of words in given string are: %d\n", count+1);

}

//4.Number game :: Input an element ( string, number etc) and if the input is a number

then accept, if the input is "done" then stop accepting,

otherwise accept the next element and so on.

Use the ele,ent "done" to stop accepting input and return the largest

and smallest element recieved

Sample input pattern 111 345 hello 356 678 111 999 bye 165 done

output: the smallest is 111 the largest is 999

Hint Explore the usage of atoi function

don use integer array !!!!!!\*/

#include<stdio.h>

#include<stdlib.h>

void main()

{

int a=1,flag=-1,flag1=-1,min,max,i,alpha;

char s[30];

while(a!=0)

{

alpha=0;

printf("Enter a string:\n");

gets(s);

for(i=0;i<strlen(s);i++)

{

if(isdigit(s[i])==0)

alpha=1;

}

i=atoi(s);

if(flag1==-1&&alpha!=1)

{

max=i;

flag1=0;

}

else

{

if(i>max)

max=i;

}

if(flag==-1&&alpha!=1)

{

min=i;

flag=0;

}

else if(alpha!=1)

{

if(i<min)

min=i;

}

a=strcmp("done",s);

}

printf("The largest element is %d\n",max);

printf("The smallest element is %d",min);

}