Day 5

//1. program to accept and display string using dynamic memory allocation without using functions

#include <stdio.h>

#include <stdlib.h>

char main()

{

char \*p;

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

p=(char \*)malloc(sizeof(char));

scanf("%s",p);

printf("The string is %s\n",p);

return 0;

}

//2. program to accept and display string using dynamic memory allocation using functions

#include <stdio.h>

#include <stdlib.h>

char display(char \*p)

{

printf("The string is %s\n",p);

}

char main()

{

char \*p;

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

p=(char \*)malloc(sizeof(char));

scanf("%s",p);

display(p);

return 0;

}

//3. program to split string in to words without using builtin functions

#include <stdio.h>

#include <string.h>

int main()

{

char s[100];

char newStr[10][10];

int i,j,k;

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

gets(s);

j=0;k=0;

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

{

if(s[i]==' '||s[i]=='\0')

{

newStr[k][j]='\0';

k++;

j=0;

}

else

{

newStr[k][j]=s[i];

j++;

}

}

printf("Original String is: %s\n",s);

printf("Splitted string is\n");

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

printf("%s\n",newStr[i]);

return 0;

}