***L1P1***

#include<stdio.h>

int main(){

int a, b;

int \*pa=&a, \*pb=&b;

scanf("%d %d", &a,&b);

update(pa,pb);

printf("%d\n%d",a,b);

return 0;

}

void update(int \*a,int \*b){

int c,d;

c=\*a+\*b;

d=\*a-\*b;

d=sqrt(d\*d);

\*a=c;

\*b=d;

printf("Sum: %d\n",c);

printf("Difference: %d\n",d);

}

***L1P2***

int main(){

double a;

int i;

double array[10];

double \*ptr=array;

for(i=0;i<10;i++){

scanf("%lf",&ptr+i);

printf("%lf",(\*ptr+i));

}

return 0;

}

#include<stdio.h>

int main(){

double a,n=0,avg;

int i;

double array[10];

double \*ptr=array;

for(i=0;i<10;i++){

scanf("%lf",(ptr+i));

n=n+\*(ptr+i);

}

avg=n/10;

printf("avg: %lf",avg);

return 0;

}

***L1P3***

#include<stdio.h>

#include<math.h>

int main(){

int i;

double array1[] = {1,2,3,4,5};

double array2[] = {6,7,8,9,10};

double array3[5];

double \*ptrArray1 = array1;

double \*ptrArray2 = array2;

double \*ptrArray3 = array3;

addarrays(ptrArray1,ptrArray2,ptrArray3);

for(i=0;i<5;i++){

printf("%lf\n",\*(array3+i));

}

}

void addarrays(double \*a,double \*b,double \*c){

int i;

for(i=0;i<5;i++){

\*(c+i) = \*(a+i)+\*(b+i);

}

}

***L1P4***

#include<stdio.h>

void copystr(char \*dest, char \*src){

int i=0;

while(\*src!='\0'){

\*dest++ = \*src++;

}

int main(){

char source[] = "Hello World!";

char destination[100];

copystr(destination,source);

printf("%s",destination);

return 0;

}

#include<stdio.h>

#include<string.h>

#include<ctype.h>

void upit(char\* str){

int i=0;

//printf("%s\n",toupper(\*str));

//strupr(\*str);

//\*str=toupper(\*(str));

while(\*str!='\0'){

\*(str)=toupper(\*(str));

\*str++;

i++;

}

i=i+1;

\*(str+i)='\0';

}

int main(){

printf("\n");

char src[] = "life is good";

upit(src);

printf("%s\n",src);

return 0;

}