#include <math.h>

#include <stdio.h>

int isPrime(int n){

int i;

for(i=2;2\*i<=n;i++){

if(n%i==0)

return 0;

}

return 1;

}

int slen(char\* str){

int count = 0;

while(str[count] != '\0')

count++;

return count;

}

void reverse(){

int n;

scanf("%d",&n);

if(n>0)

reverse();

printf("%d ",n);

}

int sumdig(int n){

int sum = 0;

while(n > 0){

sum+=n%10;

n/=10;

}

return sum;

}

int main(void) {

printf("%d\n", isPrime(17));

printf("%d\n", slen("Whatever"));

reverse();

puts("");

printf("%d\n", sumdig(628105));

return 0;

}

PS C:\Users\Dell> cd "c:\Users\Dell\OneDrive\Documents\Lbs C\lab 3\" ; if ($?) { gcc test.c -o test } ; if ($?) { .\test }

1

8

#include <math.h>

#include <stdio.h>

void funct1(void); void funct2(void);

int globvar =10;

int main(){

     globvar =20; printf("%d\n",globvar);

    funct1(); printf("%d\n",globvar);

    funct2(); printf("%d\n",globvar);

    return 0;

}

int globvar2 =30;

void funct1(void){

    char globvar; globvar='A';globvar2=40;

    printf("%c %d\n",globvar,globvar2);

}

void funct2(void){

    double globvar2; globvar=50;globvar2=1.234;

    printf("%d %.4f\n",globvar,globvar2);

}

PS C:\Users\Dell> cd "c:\Users\Dell\OneDrive\Documents\Lbs C\lab 3\" ; if ($?) { gcc test.c -o test } ; if ($?) { .\test }

20

A 40

20

50 1.2340

50

#include <math.h>

#include <stdio.h>

void display();

int main(){

    display();

    display();

    return 0;

}

void display(){

    static int c=0;

    printf("%d ", c);

    c +=5;

    // the first round will be 0 then 5 like we see

}

PS C:\Users\Dell> cd "c:\Users\Dell\OneDrive\Documents\Lbs C\lab 3\" ; if ($?) { gcc test.c -o test } ; if ($?) { .\test }

0 5

Link: https://github.com/Link20222/CSC\_215\_KSU\_44\_C-language/tree/main/HWs/3