

```

#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
1.2340 50
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