```
Part 1:
EX 1:
Hình 1: *pn = *pm +2*m-3*n = 6+2*6-3*7=-3
      *pm = *pm - *pn = 6---3=9
      Out put = M+n=9+(-3)=6
Hình 2: *p1=*p1+3 = 68
      *p2= *p2-5 = 65
      Out put = C1-c2 = 68 - 65 = 3.
Hình 3. *p1=*p1+3-2*(*p2)= -4.0000
      *p2 = *p2 - 3*(*p1) = 17.10000
      Out put = X+y=-4.000+17.100=13.1000
EX 2:
Hình 1+2: Out put: 8
Hình 3: Out put: 260 và 256
EX 3:
Hình 1: L = 5.
Hình 2: a = 6; b = 7.
Hình 3: C = 2.
```

Part 2:

```
Program 1:
```

```
Ws4 p1.c
1 #include <stdio.h>
 2 #include <math.h>
     int primes (int);
    void minMaxDigit (int n);
 5 ☐ int main() {
        int Choice;
        do{
        printf("
                                   \n1.Process primes\n2.Print min/max digit in an interger\n3.Quit\n");
        printf("Select an operation= ");
                                                       C:\Users\phamm\Documents\Ws4 p1.exe
10 |
11 |
12 |
            scanf ("%d",&Choice);
        switch (Choice){
                                                             MENU
                                                       1.Process primes
            case 1: {
                                                       2.Print min/max digit in an interger
13
                int n;
                                                       3.Quit
Select an operation= 2
14
15
16
17
                printf("n = ");
                scanf("%d",&n);
                                                       a = 1234
                if(primes(n) == 0)
                                                       max = 4
                printf("n doesn't primes");
                                                       min =1
18
19
20 -
21 =
                else printf("n is primes\n");
                break;
                                                       Process exited after 4.496 seconds with return value 0
                                                       Press any key to continue . . .
            case 2: {
22
23
                int a;
                printf("a = ");
24
25
                scanf ("%d",&a);
                minMaxDigit(a);
26
                break;
27
            case 3: break:
Compile Log 

✓ Debug 

Find Results
 Ws4 p1.c
 26
                      break;
 27
 28
                 case 3: break;
 29
                 default:
 30
                       break;
 31
 32
            }while(Choice<0 || Choice>3);
            return 0;
 34 L }
 35 ☐ int primes (int n){
 36
            int i=2;
            if (n==1 || n== 0) return 0;
 38
            for (; i<=sqrt(n); i++)</pre>
 39 🖨
            { if(n%i==0) return 0;
 40
              return 1;
 41 L
 42 □ void minMaxDigit (int n){
            int min = 9 , max = 0,k;
            while(n>0){
            k=n%10;
            n/=10;
            if (max<k) max = k;</pre>
 48
            if (min>k) min = k;
 49
 50
            printf("max = %d\n",max);
 51
            printf("min =%d\n",min);
 52 L
  affect and the second to
```

Program 2:

```
Ws4 p1.c Ws4 p2.c Ws3 p2.c
1 #include <stdio.h>
2 #include <math.h>
3 int fibo(int);
4 __ int checkDate(int d,int m,int y);
5  int main(){
         int Choice,n,m,d,y;
         printf("
                                          \n1.Fibonacci sequence\n2.Check a date\n3.Quit\n");
         printf("Select an operation = ");
10 |
11 |=
12 |=
         scanf ("%d",&Choice);
                                                                         C:\Users\phamm\Documents\Ws4 p2.exe
         switch (Choice) {
             case 1:{
                                                                                   MENU
13
14
                 printf("hay nhap vi tri can tim so fibo = ");
                                                                        1.Fibonacci sequence
                 scanf("%d",&n);
                                                                        2.Check a date
15
16
17
                 printf("so fibo tai vi tri %d la = %d\n",n,fibo(n));
                                                                         3.Quit
                 break;
                                                                        Select an operation = 2
                                                                        Nhap ngay: 12
18 🖨
             case 2:{
                                                                         Nhap thang: 13
19
                     int d,m,y;
20
                     printf("Nhap ngay: ");
                                                                         Nhap nam: 2022
21
                     scanf("%d", &d);
                                                                         Ngay 12/13/2022 ko la valid date
22
23
24
25
26
27
                     printf("Nhap thang: ");
                     scanf("%d", &m);
                                                                         Process exited after 9.246 seconds with return value 0
                     printf("Nhap nam: ");
                                                                        Press any key to continue . . .
                     scanf("%d", &y);
                     if (checkDate(d,m,y)==1){
28
29
30
                     printf("Ngay %d/%d/%d la valid date\n", d,m,y);
                      } else {
                     printf("Ngay %d/%d/%d ko la valid date", d,m,y);
31
32
                 break;
33
34
             case 3:break;
35
36
             default:
                 break:
Compile Log <equation-block>
                                                       Done parsing in 0.016
Sel: 0
             Lines: 60
                           Length: 1676
                                            Insert
```

```
Vs4 p1.c Ws4 p2.c Ws3 p2.c
26 |
27 |
                    if (checkDate(d,m,y)==1){
                    printf("Ngay %d/%d/%d la valid date\n", d,m,y);
                     } else {
                    printf("Ngay %d/%d/%d ko la valid date", d,m,y);
                break;
            case 3:break;
            default:
                break;
         }while(Choice<0 || Choice >3);
        return 0;
1 ☐ int fibo(int n){
        int t1=1, t2=1,f = 0;
        for(int i=3; i<=n;i++){
           f = t1+t2;
           t1 = t2;
           t2 = f;
        return f;
    int checkDate(int d, int m, int y){
        int maxd = 31;
        if(d<0 || d>31 || m<1 || m>12) return 0;
        if(m==4 || m==6 || m==9 || m==11) maxd =30;
        if(m==2){
            if (y%400==0 || (y%4==0 && y%100!=0)) maxd=28;
            else maxd=29;
8
        return d<=maxd;
Compile Log 🔗 Debug 🖳 Find Results
```