

Assignment6(pointer)

Assignmet1

//total salary

void salary(float*);

#include<stdio.h>

void main(){

float basic=3000;

salary(&basic);

}

//function defination

void salary(float* basic){

float total;

float da,ta,hra,a;

if(*basic<=5000){

//printf("a is %f",a=10/100);// 10/100 it is internally is a int so int /int gives int
therefore it gives o

//da=basic*(10/100); eihter make any one float or convert into 0.1

da=(*basic)*0.1;

printf("\nda is %f",da);

ta=(*basic)*0.2;

printf("\nta is %f",ta);

hra=(*basic)*0.25;

printf("\nhra is %f",hra);

}

else{

```

        da=(*basic)*(15/100);
        ta=(*basic)*(20/100);
        hra=(*basic)*(25/100);
    }

    total=(*basic)+da+ta+hra;
    printf("\nThe total salary is %f",total);
}

```

Q2

//total salary

```
void salary(float*);
```

```
#include<stdio.h>
```

```
void main(){
```

```
    float basic=3000;
```

```
    salary(&basic);
```

```
}
```

//function defination

```
void salary(float* basic){
```

```
    float total;
```

```
    float da,ta,hra,a;
```

```
    if(*basic<=5000){
```

//printf("a is %f",a=10/100);// 10/100 it is internally is a int so int /int gives int
therefore it gives 0

//da=basic*(10/100); eihter make any one float or convert into 0.1

```
        da=(*basic)*0.1;
```

```
        printf("\nda is %f",da);
```

```
        ta=(*basic)*0.2;
```

```

        printf("\nta is %f",ta);

        hra=(*basic)*0.25;

        printf("\nhra is %f",hra);

    }

    else{

        da=(*basic)*(15/100);

        ta=(*basic)*(20/100);

        hra=(*basic)*(25/100);

    }

    total=(*basic)+da+ta+hra;

    printf("\nThe total salary is %f",total);

}
.....
Q3//check even and odd

#include<stdio.h>

void even_odd(int);//declaration

void main(){

    int num;

    printf("Enter the num:");

    scanf("%d",&num);

    even_odd(num);//call

}

//func defination

void even_odd(int num){

    if(num%2==0){

        printf("Even number");

```

```

    }
    else
    {
        printf("odd number");
    }
}
.....

```

Q4

```
#include<stdio.h>
```

```
void f(float*);
```

```
void main(){
```

```
    float C=12.3;
```

```
    f(&C);
```

```
}
```

```
void f(float* c){
```

```
    float F;
```

```
    F=((*c)*9/5)+32;
```

```
    printf(" c is %f and its F is %f", *c,F);
```

```
}
```

Q5

//accept 3 digit num ,sum the digits and reverse

```
#include<stdio.h>
```

```
void sum_D(int*);
```

```
void rev_D(int*);
```

```
void main(){
```

```
    int num=12;
```

```

        int num1=num;

        sum_D(&num);

//now here in the memory num is 0 so store it other variable

        rev_D(&num1);

}

//functions definations

void sum_D(int* num){
    int sum=0,rem;
    while((*num)>0){
        rem=(*num)%10;
        (*num)=(*num)/10;
        sum=sum+rem;
    }
    printf("\nThe sum of the digit is %d ",sum);
}

void rev_D(int* num){
    int rev=0,rem;
    //printf("num %d",*num);
    while((*num)>0){
        rem=(*num)%10;
        (*num)=(*num)/10;
        rev=(rev*10)+rem;
        //printf("%d",rev);
    }

    printf("\nThe reverse of the number is %d",rev);
}

```

```
}
```

Q6

```
//total salary
```

```
void salary(float*);
```

```
#include<stdio.h>
```

```
void main(){
```

```
    float basic=3000;
```

```
    salary(&basic);
```

```
}
```

```
//function defination
```

```
void salary(float* basic){
```

```
    float total;
```

```
    float da,ta,hra,a;
```

```
    if(*basic<=5000){
```

```
        //printf("a is %f",a=10/100);// 10/100 it is internally is a int so int /int gives int  
therefore it gives o
```

```
        //da=basic*(10/100); eihter make any one float or convert into 0.1
```

```
        da=(*basic)*0.1;
```

```
        printf("\nda is %f",da);
```

```
        ta=(*basic)*0.2;
```

```
        printf("\nta is %f",ta);
```

```
        hra=(*basic)*0.25;
```

```
        printf("\nhra is %f",hra);
```

```
    }
```

```
    else{
```

```
        da=(*basic)*(15/100);
```

```

        ta=(*basic)*(20/100);
        hra=(*basic)*(25/100);
    }

    total=(*basic)+da+ta+hra;
    printf("\nThe total salary is %f",total);
}

```

```

////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////

```

Assignment 2

Q1

```

//using scanf()
//Find the price of item when discount is given (specify different discount based on price)
#include<stdio.h>

void discount(float*);

void main(){
    float price;
    printf("Enter the price : ");
    scanf("%f",&price);

    discount(&price);

}

void discount(float* price){
    float dis;

    //take the price from user

    float price_Ini=(*price);

```

```

    if((*price)>=5000 && (*price)<=7000){
        dis=(*price)*0.2;
        (*price)=(*price)-dis;
    }
    else{
        if((*price)>=3000&&(*price)<5000){
            dis=(*price)*0.15;
            (*price)=(*price)-dis;
        }
        else{
            if((*price)<3000){
                dis=(*price)*0.05;
                (*price)=(*price)-dis;
            }
            else{
                printf("invalid inputs");
            }
        }
    }
}

```

```

    printf("the original price is RS %f and after getting dis is RS %f ",price_Ini,(*price));

```

```

}

```

Q2

```

//using scanf()

```

```

//greatest no. among 3

```

```

#include<stdio.h>

```

```

void gret(int*,int*,int*);

```

```

void main(){

```

```

    int num1,num2,num3;

```



```

printf("Enter num1:");
scanf("%d",&num1);
printf("\nEnter num2:");
scanf("%d",&num2);
printf("\nEnter num3 :");
scanf("%d",&num3);

gret(&num1,&num2,&num3);//call

}

void gret(int* num1,int* num2,int* num3){

    if((*num1)>(*num2)){
        if((*num1)>(*num3)){
            printf("\nnum1 is greatest %d",(*num1));
        }
        else{
            printf("\nnum3 is greatest %d",(*num3));
        }
    }
    else{
        if((*num2)>(*num3)){
            printf("\nnum2 is greatest %d",(*num2));
        }
        else{
            printf("\nnum3 is greatest %d",(*num3));
        }
    }
}

```

```
}
```

```
//////////////////////////////////////*****
```

Q3.1

//using scanf()//Accept two numbers from user and an operator (+,-,/,*,%) based on that perform the desired operations.(without using scanf)

```
#include<stdio.h>
```

```
void add(int*,int*);
```

```
void sub(int*,int*);
```

```
void div(int*,int*);
```

```
void mul(int*,int*);
```

```
void mod(int*,int*);
```

```
void choice(char*);
```

```
void main(){
```

```
    char sign;
```

```
    //when we use scanf with %c have to clear the buffer (\n \t enter tab space etc)
```

```
    fflush(stdin);//to clean the buffer
```

```
    printf("Enter the sign:");
```

```
    scanf("%c",&sign);
```

```
    choice(&sign);
```

```
}
```

```
//func definations
```

```
void choice(char* sign){
```

```

if((*sign)=='+'){
    int num1,num2;

    printf("Enter num1 :");
    scanf("%d",&num1);

    printf("Enter num2 :");
    scanf("%d",&num2);

    add(&num1,&num2);
}
else{
    if((*sign)=='-'){
        int num1,num2;

        printf("Enter num1 :");
        scanf("%d",&num1);

        printf("Enter num2 :");
        scanf("%d",&num2);

        sub(&num1,&num2);
    }
    else{
        if ((*sign)=='/'){

            int num1,num2;

            printf("Enter num1 :");
            scanf("%d",&num1);

```

```

printf("Enter num2 :");
scanf("%d",&num2);

div(&num1,&num2);
}
else{
    if((*sign)=='*'){
        int num1,num2;

        printf("Enter num1 :");
        scanf("%d",&num1);

        printf("Enter num2 :");
        scanf("%d",&num2);
        mul(&num1,&num2);
    }
    else{
        if((*sign)=='%'){
            int num1,num2;

            printf("Enter num1
:");

            scanf("%d",&num1);

            printf("Enter num2
:");

            scanf("%d",&num2);

            mod(&num1,&num2);

```

```

    }
    else{
        printf("Invalid
Inputs");
    }
}

}

}

}

}

}

void add(int* num1,int* num2){
    int res=(*num1)+(*num2);
    printf("Addition is %d",res);
}

void sub(int* num1,int* num2){
    int res=(*num1)-(*num2);
    printf("substraction is %d",res);
}

void div(int* num1,int* num2){
    int res=(*num1)/(*num2);
    printf("division is %d",res);
}

void mul(int* num1,int* num2){
    int res=(*num1)*(*num2);
    printf("multiplication is %d",res);
}

void mod(int* num1,int* num2){

```

```

        int res=(*num1)%(*num2);

        printf("modulation is %d",res);

    }
.....

//using scanf

//Accept two numbers from user and an operator (+,-,/,*,%) based on that perform the
desiredoperations.(without scanf)

#include<stdio.h>

void opt(int*);

void add(int*,int*);

void sub(int*,int*);

void mul(int*,int*);

void div(int*,int*);

void mod(int*,int*);


void main(){

    printf("\n 1.add \n 2. sub \n 3.div \n 4.mul \n 5.mod \n\n");


    int choice;

    printf("Enter choice:");

    scanf("%d",&choice);

    opt(&choice);

}


//function defination

void opt(int* choice){

    if((*choice)==1){

```

```

        int num1,num2;
        printf("Enter num1:");
        scanf("%d",&num1);

        printf("Enter num2:");
        scanf("%d",&num2);

        add(&num1,&num2);

    }else{

        if((*choice)==2){
            int num1,num2;
            printf("Enter num1:");
            scanf("%d",&num1);

            printf("Enter num2:");
            scanf("%d",&num2);

            sub(&num1,&num2);
        }
        else{

            if((*choice)==3){

                int num1,num2;
                printf("Enter num1:");
                scanf("%d",&num1);

                printf("Enter num2:");
                scanf("%d",&num2);
            }
        }
    }
}

```

```

mul(&num1,&num2);

}

else{

    if((*choice)==4){

        int num1,num2;

        printf("Enter num1:");

        scanf("%d",&num1);

        printf("Enter num2:");

        scanf("%d",&num2);

        div(&num1,&num2);

    }else{

        if((*choice)==5){

            int num1,num2;

            printf("Enter

num1:");

            scanf("%d",&num1);

            printf("Enter

num2:");

            scanf("%d",&num2);

            mod(&num1,&num2);

```



```
}  
else{  
    printf("\nInvalid  
Inputs");  
}  
  
}  
  
}
```

```
void add(int* num1,int* num2){
    int res=(*num1)+(*num2);
    printf("Addition is %d",res);
}
```

```
void sub(int* num1,int* num2){
    int res=(*num1)-(*num2);
    printf("substraction is %d",res);
}
```

```
void mul(int* num1,int* num2){
    int res=(*num1)*(*num2);
    printf("multiplication is %d",res);
}
```

```
void div(int* num1,int* num2){  
    int res=(*num1)/(*num2);  
    printf("Division is %d",res);  
}
```

```
void mod(int* num1,int* num2){  
    int res=(*num1)%(*num2);  
    printf(" mod is %d",res);  
}
```

.....

```
//using scanf
```

```
//4. Display a menu to the user (like 1.Even Odd 2. Basic salary etc), ask the user to enter his  
choice,then based on that perform the desired operations
```

```
#include<stdio.h>
```

```
void even_Odd(int*);
```

```
void salary(float*);
```

```
void menu(int*);
```

```
void main(){  
    int choice=2;  
    printf("1.even odd \n 2.basic_salary");  
  
    printf("\nEnter the choice:");  
    scanf("%d",&choice);  
    menu(&choice);  
}
```

```
//function definations
```

```
void menu(int* choice){
```

```
    if((*choice)==1){
```

```
        int num;
```

```
        printf("\nEnter the number to check even odd :");
```

```
        scanf("%d",&num);
```

```
        even_Odd(&num);
```

```
    }else{
```

```
        if((*choice)==2){
```

```
            float basic_s;
```

```
            printf("\nEnter the basic salary:");
```

```
            scanf("%f",&basic_s);
```

```
            salary(&basic_s);
```

```
        }else{
```

```
            printf("choice is invalid");
```

```
        }
```

```
    }
```

```
}
```

```
void even_Odd(int* num){
```

```
    if((*num)%2==0)
```

```

    {
        printf("\neven number");
    }
    else{
        printf("\nodd number");
    }
}

```

```

void salary(float* basic_s){

```

```

    float da,ta,hra,total;

```

```

    if((*basic_s)<=5000){

```

```

        da=(*basic_s)*0.1;

```

```

        ta=(*basic_s)*0.2;

```

```

        hra=(*basic_s)*0.25;

```

```

    }

```

```

    else{

```

```

        da=(*basic_s)*0.15;

```

```

        ta=(*basic_s)*0.20;

```

```

        hra=(*basic_s)*0.25;

```

```

    }

```

```

    total=(*basic_s)+da+ta+hra;

```

```

    printf("\nThe basic salary is %f and the total is

```

```

    %f",(*basic_s),total);

```

```

}

```

.....
//using scanf()

/*Accept the price from user. Ask the user if he is a student (user may say yes or no). If he is a student and he has purchased more than 500 than discount is 20% otherwise discount is 10%.But if he is not a student then if he has purchased more than 600 discount is 15% otherwise there is not discount*/

#include<stdio.h>

void billing(int*);

void main(){

printf("\n 1.student \n 2. not a student");

int user;

printf("\nEnter the user num:");

scanf("%d",&user);

billing(&user);

}

//defination

void billing(int* user){

float bill,dis;

printf("\nEnter the bill:");

scanf("%f",&bill);

float bill_ini=bill;

if((*user)==1){

```

        if(bill>500){
            dis=bill*0.2;
            bill=bill-dis;

        }
        else{
            dis=bill*0.1;
            bill=bill-dis;

        }
    }else{
        if((*user)==2){
            if(bill>600){
                dis=bill*0.15;
                bill=bill-dis;

            }
            else{
                printf("no discount\n");
            }
        }
        else{
            printf("invalid inputs\n");
        }
    }
}

```

```

printf("bill is %f",bill);

```

```

}

```

Assignment 3

Q1

//print no from 1 to 10

#include<stdio.h>

void print_no(int*,int*);//declaration

void main(){

int num,end;

printf("Enter the num:");

scanf("%d",&num);

printf("Enter the end:");

scanf("%d",&end);

print_no(&num,&end);//calling

}

//defination

void print_no(int* num,int* end){

int i>(*num);

while(i<=(*end)){

printf("%d\n",i);

i++;

}

}

Q2

//print table

#include<stdio.h>

void table(int*);//declaration

void main(){

```

    int num;

    printf("Enter the number:");

    scanf("%d",&num);

    //func call

    table(&num);
}

```

//defination

```

void table(int* num){

    int a;

    int i=0;

    while(i<10){

        a=++i;

        printf("%d * %d = %d \n",(*num),a,(*num)*a);

    }

}

```

}

Q3

//sum of the number within given range

#include<stdio.h>

void sum_range(int*,int*);//declaration

void main(){

int s=1,e=5;

sum_range(&s,&e);//call;

}

void sum_range(int* s,int* e){


```

int sum=0;

int i=*s;
while(i<=(*e)){
    sum=sum+i;
    i++;
}

printf("Sum is %d",sum);
}

```

Q4

```

//prime number
#include<stdio.h>
void prime(int*);
void main(){
    int num;
    printf("Enter the number:");
    scanf("%d",&num);
    //call
    prime(&num);
}
void prime(int* num){

```

```

    int i=2;
    while(i<(*num)){
        if((*num)%i!=0){
            i++;
        }
        else{
            break;
        }
    }
}

```

```

    }

    if(i==(*num)){
        printf("Number is prime");
    }
    else{
        printf("number is not prime");
    }
}
.....

```

Q5

//armstrong by count of digits//4 digit 1634 3digit 153

```
#include<stdio.h>
```

```
#include<math.h>
```

```
void arms(int*);
```

```
void main(){
```

```
    int num;
```

```
    printf("Enter the num:");
```

```
    scanf("%d",&num);
```

```
    arms(&num);
```

```
}
```

```
void arms(int* num){
```

```
    int rem;
```

```
    int num_O=(*num);
```

```
    int num_2=(*num);
```

```
    int sum_P=0;
```

```

int count=0;
while((*num)>0){
    (*num)=(*num)/10;
    count++;
}

while(num_2>0){
    rem=num_2%10;
    num_2=num_2/10;//dec

//pow(base,power)

//power=pow(rem,count);
    //by using loop // to calculate the power as per count
    int power=1;
    int cnt=count;

    while(cnt!=0){
        power=power*rem;
        cnt--;
    }

    sum_P=sum_P+power;
}

if(num_O==sum_P)
{
    printf("%d is armstrong number",num_O);
}

```

```

else{

    printf("%d is not an armstrong number",num_O);

}

```

```

}

```

Q6

```

//perfect number

```

```

#include<stdio.h>

```

```

void perfect(int*);//declaration

```

```

void main(){

```

```

    int num;

```

```

    printf("Enter the number:");

```

```

    scanf("%d",&num);

```

```

    perfect(&num);//calling

```

```

}

```

```

//defination

```

```

void perfect(int* num){

```

```

    int sum_F=0;

```

```

    for(int i=1;i<(*num);i++){

```

```

        if((*num)%i==0){

```

```

            sum_F=sum_F+i;//adding factors here

```

```

        }

```

```

    }

```

```

    // check it is perfect number or not

```

```

    if((*num)==sum_F){

```

```

        printf("It is a perfect number %d",(*num));

```

```

    }

```

```

        else{

            printf("It is not a perfect number %d",(*num));

        }

}

```

Q7

```

//factorial number
#include<stdio.h>

void fac(int*);

//declaration

void main(){

    int num;

    printf("Enter the number:");

    scanf("%d",&num);

    fac(&num);

}


//defination
void fac(int* num){

    int fact=1;

    int i=(*num);

    while(i>0){

        fact=fact*i;

        //printf("\n fact is %d and i is %d",fact,i);

        i--;

    }

    printf("\n factorial of %d is %d",(*num),fact);

}

```

Q8

```
//strong number
#include<stdio.h>
```

```
//declaration
void strong(int*);
```

```
void main(){
```

```
    int num;

    printf("Enter the number:");
    scanf("%d",&num);
    strong(&num);
}
```

```
//defination
```

```
void strong(int* num){

    int num_O=(*num),rem,sum_fact=0;
    while((*num)>0){
        rem=(*num)%10;
        (*num)=(*num)/10;//inc /dec
        //for factorial
        int fact=1;//for each iteration it must be 1 initially
        while(rem>0){
            fact=fact*rem;
            rem--;
        }
        sum_fact=sum_fact+fact;
    }
}
```

```

    }

    //check the sum of fact of each digit
    if(num_O==sum_fact){
        printf("It is strong number");
    }
    else{
        printf("It is not strong number");
    }
}

```

```

}

```

Q9

//palindrom num -->num==reverse of that num

```

#include<stdio.h>

```

```

//declaration

```

```

void palindrome(int*);

```

```

void main(){

```

```

    int num;

```

```

    printf("Enter the number :");

```

```

    scanf("%d",&num);

```

```

    //call

```

```

    palindrome(&num);

```

```

}

```

```

//defination

```

```

void palindrome(int* num){

```

```

int num_O=(*num),rev=0;

// seperate the digits

int rem=0;

while((*num)>0){
    rem=(*num)%10;
    (*num)=(*num)/10;
    rev=rev*10+rem;
}

if(rev==num_O){
    printf("The number is palindrom %d",num_O);

}

else{
    printf("The number is not palindrom %d ",num_O);

}

}

```

Q10

//sum of first and last digit of the number

#include<stdio.h>

void f_L(int*);//declaration

void main(){

int num;

printf("Enter the number :");

scanf("%d",&num);

f_L(&num);//calling

}

//defination

void f_L(int* num){


```

int O_num=(*num);

int last_digit,first_digit,rem,sum=0;

last_digit=(*num)%10;

printf("\nlast %d",last_digit);


while((*num)>0){

    rem=(*num)%10;

    (*num)=(*num)/10;

    //printf("nnn");

}

first_digit=rem;

printf("\nfirst %d",first_digit);


sum=first_digit+last_digit;


printf("\nThe sum of last and first digit of the num %d is %d",O_num,sum);


}

```

////////////////////////////////////

Assignment4

Q1//strong numbers

```
#include<stdio.h>
```

```
void stng(int*);
```

```
void main(){
```

```
    int end;
```

```
    printf("Enter the end of the range:");
```

```
    scanf("%d",&end);
```

```
    stng(&end);
```

```
}
```

```

void stng(int* end){
    int k,rem;

    printf("strong numbers are: ");

    for(k=1;k<=(*end);k++){
        int num=k;

        int sum_F=0;

        while(num>0){

            rem=num%10;
            num=num/10;

            //calculate the fact of each digits
            int fact=1;
            while(rem>0){
                fact=fact*rem;
                rem--;
            }

            //sum of the fact of each digits
            sum_F=sum_F+fact;

        }

        //equalate sum with original number
        if(k==sum_F){
            printf("%d\t",k);
        }
    }
}

```

```
    }  
}  
.....
```

Q2

//range prime

#include<stdio.h>

void prime(int*);

void main(){

int end;

printf("enter the end of the range :");

scanf("%d",&end);

prime(&end);//call

}

//defination

void prime(int* end){

int k;

for(k=1;k<=(*end);k++){

int num=k;

//check for each k the number is prime or not

int i=2;//start mod from 2 check up to 1 no before that number

while(i<num){

//check num is completely divisible or not

if(num%i!=0){

i++;

}

else{

break;

}

```

        }

        if(i==num){
            printf("%d\t",k);
        }

    }
}

```

Q3

//print the armstrong number in the given range

```
#include<stdio.h>
```

```
void armstrong(int*);
```

```
void main(){
```

```
    int end;
```

```
    printf("enter the end of the range");
```

```
    scanf("%d",&end);
```

```
    armstrong(&end);
```

```
}
```

```
void armstrong(int* end){
```

```
    //1,2,3,4,5.....100
```

```
    int k,rem;
```

```
    printf("armstrong numbers are : ");
```

```
    /*
```

```
    for(k=1;k<=end;k++){
```

```
        //now check the each k is armstrong or not
```

```
        int num=k;//assign k to num bcz num is going to be modify
```

```
        int sum=0;//we want sum=0 for everytime when we start to check
```

```

        while(num>0){
            rem=num%num;
            num=num/10;
            sum=sum+(rem*rem*rem);
        }

    if(k==sum){
        printf("%d\t",k);
    }

}

*/

for(k=1;k<=(*end);k++){

    int num=k;
    int num_2=k;
    //int num=num_2=k; k==>num_2 and num_2==>num

    int count=0;
    int sum=0;
    //to check the count
    while(num>0){
        num=num/10;
        count++;
    }

    //sum of the power
        while(num_2>0){
            rem=num_2%10;

```

```

num_2=num_2/10;

//calculate the power
int power=1;
int cnt=count;

while(cnt!=0){
    power=power*rem;
    cnt--;
}

sum=sum+power;
}

//check that number is equal to that sum of the power or not ?
if(sum==k){
    printf(" %d\t",k);
}

}

}

```

Q4

//perfect number

```
#include<stdio.h>
```

```
void perfect(int*);
```

```
void main(){
```

```
    int end;
```

```
    printf("Enter the end:");
```

```
    scanf("%d",&end);
```

```
    perfect(&end);
```

```
}
```

```
void perfect(int* end){
    int k;
    for(k=1;k<=(*end);k++){
        int num=k;
        int sum=0;
        for(int i=1;i<num;i++){
            if(num%i==0){
                sum=sum+i;
            }
        }

        if(k==sum){
            printf("%d\n",k);
        }
    }
}
```

```
}
```

Q5

```
//fibonacci series
```

```
#include<stdio.h>
```

```
void fibo(int*,int*);
```

```
void main(){
```

```
    int prefib1=0;
```

```
    int prefib2=0;
```

```
    fibo(&prefib1,&prefib2);
```

```
}
```

```

void fibo(int* prefib1,int* prefib2){

    int fib=0,end;

    printf("Enter the range 0 to :");
    scanf("%d",&end);

    //solution to handle the infinity condition 1 1 1 1 -->(if)
    if((*prefib1)==0 && (*prefib2)==0){

        fib=(*prefib2)+(*prefib1);
        printf("%d \t",fib);
        (*prefib1)++;
        fib=(*prefib2)+(*prefib1);
        printf("%d\t",fib);

    }

    while(fib<=end)
    {

        (*prefib1)=(*prefib2);
        (*prefib2)=fib;
        fib=(*prefib2)+(*prefib1);
        if(fib<=end){
            printf("%d\t",fib);
        }

    }

}

*****

```