Victor johnson

18/sci01/045

41)

#include <stdio.h>

int main()

{

 int i=1;

 while (i<=3000)

 {

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

 i++;

 }

 return 0;

}

\\b

#include <stdio.h>

int main()

{

 int i=1;

 while (i<=3000)

 {

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

 i++;

 }

 return 0;

}

42)

#include <stdio.h>

int main()

{

 int k,i;

 printf("enter any number:");

 scanf("%d",&k);

 for(i=1;i<=10;i++)

 printf("%d x %d= %d\n",k,i,k\*i);

}

43)

#include<stdio.h>

#include<conio.h>

#include<stdlib.h>

void main(){

 int a,b,i,tot=0;

 printf("enter a lower limit :");

 scanf("%d",&a);

 printf("enter a upper limit :");

 scanf("%d",&b);

 if(a>b){

 printf("invalid input");

 getch();

 exit(0);

 }

for(i=a;1<=b;i++) tot +=i;

 printf("\n\t SumLimit(%d,%d)=%d",a,b,tot);

 getch();

}

44)

include <stdio.h>

int main() {

 int n, i, flag = 0;

 printf("Enter a positive integer: ");

 scanf("%d", &n);

 for (i = 2; i <= n / 2; ++i) {

 if (n % i == 0) {

 flag = 1;

 break;

 }

 }

 if (n == 1) {

 printf("1 is neither prime nor composite.");

 }

 else {

 if (flag == 0)

 printf("%d is a prime number.", n);

 else

 printf("%d is not a prime number.", n);

 }

 return 0;

}

45)

#include<stdio.h>

int main(){

 int i,j;

 for(i=1;i <=10; i++){

 printf("\n---- MULTIPLICATION TABLE OF %d ------\n\n",i);

 for(j=1;j<=10;j++){

 printf("\n%d X %d = %d",i,j,i\*j);

 }

 printf("\n\n---------------------------------------------\n")

 }

}

46)