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>

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{

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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)