**1.**

#include<stdio.h>

void main()

{

int x;

printf("please enter a number:\n");

scanf\_s("%i", &x);

for (int i = 1; i <= x; i = i + 1) {

printf("%i ",i);

}

}

**2.**

#include<stdio.h>

void main()

{

int x;

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

if (i != 7) {

printf("%i", i);

}

}

}

**3.**

#include<stdio.h>

void main()

{

int x;

for (int i = 1; i < 20 ; i++) {

if (i % 2 == 1) {

printf("%i ", i);

}

}

}

**4.**

#include<stdio.h>

void main()

{

int x;

printf("please enter a number:\n");

scanf\_s("%i", &x);

for (int i = 1; i <= x; i++) {

if (x % i == 0) {

printf("%i divides %i\n", i,x);

}

}

}

**5.**

#include<stdio.h>

void main()

{

int x, sum = 0;

printf("please enter a number:\n");

scanf\_s("%i", &x);

for (int i = 1; i <= x; i++) {

sum = sum + i;

}

printf("the sum is:%i", sum);

}

**6.**

#include<stdio.h>

void main()

{

int x, y, sum = 1;

printf("please enter 2 numbers:\n");

scanf\_s("%i", &x);

scanf\_s("%i", &y);

for (int i = 0; i < y; i++) {

sum = sum \* x ;

}

printf("%i", sum);

}