**Q.1 Write a Program to print 1 to 10 using a while loop.**

For example,

Output:

1 2 3 4 5 6 7 8 9 10

Ans:

// Online C compiler to run C program online

#include <stdio.h>

void main() {

int i=1;

while(i<=10){

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

i++;

}

}

o/p

1

2

3

4

5

6

7

8

9

10

**Q.2 Write a Program to print 10 to 1 using a while loop.**

For example,

Output:

10 9 8 7 6 5 4 3 2 1

Ans:

// Online C compiler to run C program online

#include <stdio.h>

void main() {

int i=10;

while(i>=1){

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

i--;

}

}

o/p

10

9

8

7

6

5

4

3

2

1

**Q.3 Write a Program to print 1 to N using a while loop.**

For example,

Input:

Enter any number: 7

Output:

1 2 3 4 5 6 7

Ans:

// Online C compiler to run C program online

#include <stdio.h>

void main() {

int i=1,n;

printf("choose tha number");

scanf("\n%d",&n);

while(i<=n){

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

i++;

}

}

o/p

choose tha number7

1

2

3

4

5

6

7

**Q.4 Write a Program to print odd numbers from N to 1 using a while loop.**

For example,

Input:

Enter any number: 15

Output:

15 13 11 9 7 5 3 1

Ans:

// Online C compiler to run C program online

#include <stdio.h>

void main() {

int i=1,n;

printf("choose tha number");

scanf("\n%d",&n);

printf("odd numbers form 1to%d:\n",n);

while(i<=n){

if(i%2!=0){

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

i++;

}

}

o/p

choose tha number25

odd numbers form 1to25:

1

3

5

7

9

11

13

15

17

19

21

23

25

**Q.5 Write a Program to print leap years between two given numbers using a while loop.**

For example,

Input:

Enter the first number: 2020

Enter the second number: 2040

Output:

2020, 2024, 2028, 2032, 2034, 2040

Ans:

// Online C compiler to run C program online

#include <stdio.h>

void main(){

int num1,num2,year;

printf("enter tha number:");

scanf("%d",&num1);

printf("enter tha number:");

scanf("%d",&num2);

year=num1;

while(year<=num2){

if(year%4==1){

printf("%d,",year);

}

year++;

}

o/p

enter tha number:2012

enter tha number:2040

2013,2017,2021,2025,2029,2033,2037,