

**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>

```
int main() {  
    int i =1;  
    while(i<=10){  
        printf("\n%d",i);  
        i++;  
    }  
    return 0;  
}
```

o/p:

1  
2  
3  
4  
5  
6  
7  
8  
9  
10

=== Code Execution Successful ===

**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>

```
int main() {  
    int i =10;  
    while(i>=1){  
        printf("\n%d",i);  
        i--;  
    }  
    return 0;  
}
```

o/p:

```
10  
9  
8  
7  
6  
5  
4  
3  
2  
1
```

=== Code Execution Successful ===

**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 the nomber");
```

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

```
    while(i<=n){
```

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

```
    i++;  
}
```

```
}
```

o/p:

choose the number7

```
1  
2  
3  
4  
5  
6  
7
```

=== Code Exited With Errors ===

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 the number:");
```

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

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

```
    while(i<=n){
```

```
        if(i%2!=0){
```

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

```
            i++;
```

```
        }
```

```
}
```

o/p;

choose the number:15

odd numbers from 1 to 15:

1  
3  
5  
7  
9  
11  
13  
15

=== Code Exited With Errors ===

**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 number1,number2,year;**

**printf("enter the number:");**

**scanf("%d",&number1);**

**printf("enter the number:");**

**scanf("%d",&number2);**

**year=number1;**

**while(year<=number2){**

**if((year % 4==0 && year % 100!=0)||year % 400==0){**

**printf("%d",year);**

**year++;**

**}**

```
}
```

```
}
```

**Ans:**

**enter the number:2020**

**enter the number:2040**

**2020,2024,2028,2032,2036,2040,**

**=== Code Exited With Errors ===**