```
/*

Q 1. Write a C program to print all natural numbers from 1 to n -
using while loop

*/


#include<stdio.h>


void main()
{
      int n;
      int i;
      printf("Enter value of n = ");
      scanf("%d",&n);
      i=1;
      while(i <= n)
      {
            printf("%d\t",i);
            i++;
      }
}
```

```c
/*
Q 2. Write a C program to print all natural numbers from n to 1 -
using while loop
*/


#include<stdio.h>

void main()
{
    int n;
    printf("Enter value of n = ");
    scanf("%d",&n);
    while(n != 0)
    {
        printf("%d\t",n);
        --n;
    }
}
```

```c
/*
Q 3. Write a C program to print all alphabets from a to z. - using
while loop
*/

#include<stdio.h>

void main()
{
    int i;
    printf("A to Z = ");
    for(i=65 ;i<=90 ;i++)
        printf("%c\t",i);

    printf("\na to z = ");
    for(i='a' ;i<='z' ;i++)
        printf("%c\t",i);
}
```

```c
/*
Q 4. Write a C program to print all even numbers between 1 to 100 -
using while loop
*/

#include<stdio.h>

void main()
{
    int i=2;
    while(i <= 100)
    {
        printf("%d  ",i);
        i=i+2;
    }
}
```

```c
/*
Q 5. Write a C program to print all odd numbers between 1 to 100
*/

#include<stdio.h>

void main()
{
     int i=1;
     while(i <= 100)
     {
          printf("%d  ",i);
          i=i+2;
     }
}
```

```c
/*
Q 6. Write a C program to find sujm of all natural numbers between 1
to n
*/


#include<stdio.h>

void main()
{
    int n,i=1;
    int sum=0;
    printf("Enter n = ");
    scanf("%d",&n);
    while(i <= n)
    {
        sum=sum+i;
        i++;
    }
    printf("Sum of natural numbers from 1 to %d = %d",n,sum);
}
```

```c
/*
Q 7. Write a C program to find sum of all even numbers between 1 to
n
*/


#include<stdio.h>

void main()
{
    int n,i,sum;
    printf("Enter n= ");
    scanf("%d",&n);
    sum=0;
    i=2;
    while(i <= n)
    {
        if(i%2 ==0 )
            sum=sum+i;

        i=i+2;
    }
    printf("Sum = %d",sum);
}
```

```c
/*
Q 8. Write a C program to find sum of all odd numbers between 1 to n
*/

#include<stdio.h>

void main()
{
    int n,i,sum;
    printf("Enter n= ");
    scanf("%d",&n);
    sum=0;
    i=1;
    while(i <= n)
    {
        if(i%2 !=0 )
            sum=sum+i;

        i=i+2;
    }
    printf("Sum = %d",sum);
}
```

```c
/*
Q 9. Write a C program to print multiplication table of any number
*/

#include<stdio.h>

void main()
{
    int n,i,tab;
    printf("Enter n = ");
    scanf("%d",&n);
    printf("\n");
    for(i=1 ; i<=10 ;i++)
    {
        tab=n*i;
        printf("%d * %d = %d\n",n,i,tab);
    }
}
```

```c
/*
Q 10. Write a C program to count number of digits in a number
*/

#include<stdio.h>

void main()
{
    int n,i=0;
    printf("Enter n = ");
    scanf("%d",&n);
    while(n >= 1)
    {
        n=n/10;
        i++;
    }
    printf("Number of digits = %d",i);
}
```

```c
/*
Q 11. Write a C program to find first and last digit of a number
*/

#include<stdio.h>

void main()
{
    int n,last;
    printf("Enter n = ");
    scanf("%d",&n);
    last=n%10;
    while(n > 10)
        n=n/10;
    printf("First digit = %d",n);
    printf("\nLast digit = %d",last);
}
```

```c
/*
Q 12. Write a C program to print tables from 2 to n
*/
#include<stdio.h>
void main()
{
    int n,i,j,tab;
    printf("Upto which numbr you want to printf tables : ");
    scanf("%d",&n);
    for(i=1; i<=10 ;i++)
    {
        for(j=2 ; j<=n ;j++)
        {
            tab=j*i;
            printf("%d\t",tab);
        }
        printf("\n");
    }
}
```