Syntax	Example

Display static text or values
Console.WriteLine("text");
	1. Display static text - "Hello World"
	Console.WriteLine("Hello World");
	2. Display value from string variable
	string name = "John";
	Console.WriteLine(name);
	3. Display value from integer variable
	int sum = 10 +15 + 11;
	Console.WriteLine(sum);
	4. Display static text, and values together
	string name = "John";
	int age = 30;
	Console.WriteLine(" Age of " + name + " is " + age);
	Console.WriteLine(" Age of {0} is {1}", age, name);

Read input from console **string input = Console.ReadLine();**	1. Read input string string input = Console.ReadLine();

Type conversion
String to integer
int number = int.Parse(string numberText);
int number = Convert.ToInt32(string numberText);
 	
Integer object to integer (Implicit type casting)
object intObj = 50;
int number = (int)intObj;
	1. Using integer parse
	string numberText = Console.ReadLine();
	int number = int.Parse(numberText);
	or
	int number = int.Parse(Console.ReadLine());
	2. Using convert
	string numberText = Console.ReadLine();
	int number = Convert.ToInt32(numberText);
	or
	int number = Convert.ToInt32(Console.ReadLine());
	
	3. Implicit type casting
	object intObj = 50;
	int number = (int)intObj;

Array **int[] marks = new int[5];** **int[] marks = {68, 54, 46, 83, 75};** **int[] marks = new int[5] {68, 54, 46, 83, 75};**	1. string array string[] names = {"John", "Harry", "Jacky"}; 2. Getting names at index 1 string name1 = names[1]; Output: name1 = "Harry"; 3. Setting value to array at index 2 names[2] = "Allen"; Array will become {"John", "Harry", "Allen"}

If statement
1. simple if statement:
if (condition**)**
//True code here
Or
if (condition**)**
{
//True code here
}
 	
2. if else statement:
if (condition**)**
//True code here
else
//False code here
 	
3. else if statement:
	Display if an year is leap year or not
	
	int year = Convert.ToInt32(Console.ReadLine());
	if (year % 400 == 0)
	  Console.WriteLine("The Year {0} is a leap year", year);
	else if (year % 100 != 0)
	{
	  if (year % 4 == 0)
	    Console.WriteLine("The Year {0} is a leap year", year);
	  else
	    Console.WriteLine("The Year {0} is not a leap year", year);
	}
	else
	  Console.WriteLine("The Year {0} is not a leap year", year);

if (condition1**)**
//True code here
else if (condition2**)**
//True code here
…
…
else if (conditionN**)**
//True code here
else
//False code here	

For statement
for (initialize**;** condition check**;** increment**)**
{
}
	Display names from an array using for statement
	string[] names = {"John", "Harry", "Jacky"};
	for(int i=0; i < names.Length; i++)
	{ Console.WriteLine(names[i]); }

Foreach statement **foreach (**var item **in** collection**)** **{** **}**	Display names from an array using foreach statement string[] names = {"John", "Harry", "Jacky"}; foreach(string name in names) { Console.WriteLine(name); }

While statement(Entry control loop)
while (condition check**)**
{
}
	Display names from an array using while statement
	string[] names = {"John", "Harry", "Jacky"};
	int i =0;
	while (i < names.Length)
	{ Console.WriteLine(names[i]);
	i++; }

Do While statement(Exist control loop)
do
{
} while(condition check**);**
	Display names from an array using while statement
	string[] names = {"John", "Harry", "Jacky"};
	int i =0;
	do
	{
	Console.WriteLine(names[i]);
	i++;
	} while (i < names.Length);

Break statement
…
…
break;
…
…
	Calculate sum of digits repeatedly till single digit or equal to 11
	int number = Convert.ToInt32(Console.ReadLine());
	do
	{
	   int sum = 0;
	   while (number > 9)
	   { int lastDigit = number % 10;
	     sum += lastDigit; number = number / 10; }
	   number = sum;
	  if (sum == 11)
	    break;
	  sum = 0; } while (number > 9);
	Console.WriteLine(number);

Continue statement
…
…
continue;
…
…
	Display the numbers that are not divisible by 3 from 0 to 100 using for loop
	int end = 100;
	for (int i = 0; i <= end; i++)
	{ if (i % 3 == 0)
	    continue;
	  Console.WriteLine(i); }