1. **. Addition of inputs digit Total :**

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text.RegularExpressions;

namespace HelloWorld

{

public class Program

{

public static void Main(string[] args)

{

int num = 53611;

int result = 0;

for(int i=0; i<=num; i++)

{

if(num>=10)

{

int a = (num % 10);

result = result + a;

int b = (num / 10);

num = b ;

}

}

result = result + num;

Console.WriteLine("result :"+result);

}

}

}

3. **prime number or not**

using System;

namespace MyCompiler {

class Program {

public static void Main(string[] args) {

int num = 1;

if((num !=0) && (num != 1) )

{

if(num >2)

{

for(int i = 2; i<num; i++)

{

if((num%i)==0)

{

Console.WriteLine("Not a prime " +num);

break;

}

else if((num/i)==1)

{

Console.WriteLine("yes prime " +num);

break;

}

}

}

else

{

Console.WriteLine("2 is a prime number ");

}

}

else

{

Console.WriteLine("0 and 1 both are invalid inputs ");

}

}

}

}

1. **. REVERSED - Number**

**using System;**

**namespace MyCompiler {**

**class Program {**

**public static void Main(string[] args) {**

**int num = 5734;**

**int result = 0;**

**for(int i=10; i<=num ;i++)**

**{**

**int remainder = (num % 10);**

**result = result + remainder;**

**result = result \* 10;**

**int quotient = (num / 10);**

**num = quotient;**

**}**

**Console.WriteLine("reversed number : "+(result +num));**

**}**

**}**

**}**

**4. PALINDROME number :**

**using System;**

**namespace MyCompiler {**

**class Program {**

**public static void Main(string[] args) {**

**int num = 113;**

**int user\_input = num;**

**int result = 0;**

**for(int i=10; i<=num ;i++)**

**{**

**int remainder = (num % 10);**

**result = result + remainder;**

**result = result \* 10;**

**int quotient = (num / 10);**

**num = quotient;**

**}**

**int reversed\_num = result + num ;**

**Console.WriteLine("reversed number : "+(reversed\_num));**

**if( user\_input = = reversed\_num )**

**{**

**Console.WriteLine("Yes PALINDROME number" );**

**}**

**else**

**{**

**Console.WriteLine("Not a Palindrome" );**

**}**

**}**

**}**

**}**

**6. ARMSTRONG number or not**

**using System;**

**namespace MyCompiler {**

**class Program {**

**public static void Main(string[] args) {**

**int num = 1634;**

**int temp = num;**

**int equate = num;**

**int count = 0;**

**while(num > 0)**

**{**

**int quoti = (num / 10);**

**num = quoti ;**

**count = count +1 ;**

**}**

**Console.WriteLine("count "+count);**

**int plus = 0;**

**while( temp>0 )**

**{**

**int quoti2 = (temp /10);**

**int remai = (temp % 10);**

**int storing = 1;**

**for(int d=count; d>0; d--)**

**{**

**storing = (storing \* remai);**

**}**

**plus = plus + storing;**

**temp = quoti2;**

**}**

**Console.WriteLine(" result " +plus );**

**Console.Write("\n");**

**if(equate == plus)**

**{**

**Console.WriteLine(" Yes, "+equate+" a Armstrong number");**

**}**

**else**

**{**

**Console.WriteLine( equate+ " is Not a Armstrong number");**

**}**

**}**

**}**

**}**