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| Basic Program in C# |

using System;

using System.IO;

namespace DICTIONARY\_C

{

class Program

{

static void Main()

{

string choice = string.Empty;

string password = string.Empty;

do

{

Console.WriteLine("MAIN MENU");

Console.WriteLine("A) Create A Password");

Console.WriteLine("B) Hack The Password");

Console.WriteLine("C) Quit");

Console.Write("Please Enter your choice : ");

choice = Console.ReadLine().ToUpper().Trim();

switch (choice)

{

case "A":

Console.Write("Please enter your password : ");

password = Console.ReadLine().ToLower().Trim();

continue;

case "B":

var dictionary = File.ReadAllLines("wordlist.txt");

foreach (string word in dictionary)

{

if (password == word)

{

Console.WriteLine($"You've Been Hacked! Your Password was {word}");

Console.ReadKey();

return;

}

}

Console.WriteLine("Your password has overcome the most basic of hacks!");

Console.ReadKey();

break;

}

Console.Clear();

} while (choice != "C");

}

}

}

|  |
| --- |
| Advanced Program Using Subroutines in C# |

using System;

using System.IO;

namespace DICTIONARY\_C

{

class Program

{

static void Main()

{

string choice = string.Empty;

string password = string.Empty;

do

{

MainMenu();

choice = Console.ReadLine().ToUpper().Trim();

switch (choice)

{

case "A":

ObtainPassword(ref password);

continue;

case "B":

var dictionary = File.ReadAllLines("wordlist.txt");

foreach (string word in dictionary)

{

if (password == word)

{

HackedMessage(word);

return;

}

}

YourSafeMessage();

break;

}

Console.Clear();

} while (choice != "C");

}

static void MainMenu()

{

Console.Clear();

Console.ForegroundColor = ConsoleColor.Yellow;

Console.WriteLine("=====================================================");

Console.WriteLine("MAIN MENU");

Console.WriteLine("A) Create A Password");

Console.WriteLine("B) Hack The Password");

Console.WriteLine("C) Quit");

Console.WriteLine("=====================================================");

Console.ForegroundColor = ConsoleColor.White;

Console.Write("Please Enter your choice : ");

Console.ForegroundColor = ConsoleColor.Red;

}

static void ObtainPassword(ref string password)

{

Console.ForegroundColor = ConsoleColor.White;

Console.Write("Please enter your password : ");

Console.ForegroundColor = ConsoleColor.Red;

password = Console.ReadLine().ToLower().Trim();

Console.ForegroundColor = ConsoleColor.White;

Console.WriteLine("Your password has been set");

Console.ReadKey();

}

static void HackedMessage(string word)

{

Console.ForegroundColor = ConsoleColor.Red;

Console.WriteLine("=====================================================");

Console.WriteLine($"You've Been Hacked! Your Password was {word}");

Console.WriteLine("=====================================================");

Console.ReadKey();

}

static void YourSafeMessage()

{

Console.ForegroundColor = ConsoleColor.Green;

Console.WriteLine("===================================================");

Console.WriteLine("Your password has overcome the most basic of hacks!");

Console.WriteLine("===================================================");

Console.ReadKey();

}

}

}

|  |
| --- |
| Basic Program in VB.net |

Imports System.IO

Module Module1

Sub Main()

Dim choice As String = ""

Dim password As String = Nothing

Do Until choice = "C"

Console.WriteLine("MAIN MENU")

Console.WriteLine("A) Create A Password")

Console.WriteLine("B) Hack The Password")

Console.WriteLine("C) Quit")

Console.Write("Please Enter your choice : ")

choice = Console.ReadLine().ToUpper.Trim()

Select Case choice

Case "A"

Console.Write("Please enter your password : ")

password = Console.ReadLine().ToLower().Trim()

Case "B"

Dim dictionary() As String = File.ReadAllLines("wordlist.txt")

For Each word In dictionary

If password = word Then

Console.WriteLine($"You've Been Hacked! Your Password was {word}")

Console.ReadKey()

Exit Sub

End If

Next

Console.WriteLine("Your password has overcome the most basic of hacks!")

Console.ReadKey()

End Select

Console.Clear()

Loop

End Sub

End Module

|  |
| --- |
| Advanced Program Using Subroutines – VB.Net |

Imports System.IO

Module Module1

Sub Main()

Dim choice As String = ""

Dim password As String = ""

Do Until choice = "C"

MainMenu()

choice = Console.ReadLine().ToUpper.Trim()

Select Case choice

Case "A"

ObtainPassword(password)

Case "B"

TestPassword(password)

End Select

Loop

End Sub

Sub TestPassword(password)

Dim readText() As String = File.ReadAllLines("wordlist.txt")

For Each word In readText

If password = word Then

HackedMessage(word)

Exit Sub 'Notice another change here

End If

Next

YoureSafeMessage()

End Sub

Sub YoureSafeMessage()

Console.ForegroundColor = ConsoleColor.Green

Console.WriteLine("=====================================================")

Console.WriteLine("Your password has overcome the most basic of hacks!")

Console.WriteLine("=====================================================")

Console.ReadKey()

End Sub

Sub HackedMessage(word)

Console.ForegroundColor = ConsoleColor.Red

Console.WriteLine("=====================================================")

Console.WriteLine($"You've Been Hacked! Your Password was {word}")

Console.WriteLine("=====================================================")

Console.ReadKey()

End Sub

Sub ObtainPassword(ByRef password)

Console.ForegroundColor = ConsoleColor.White

Console.Write("Please enter your password : ")

Console.ForegroundColor = ConsoleColor.Red

password = Console.ReadLine().ToLower().Trim()

Console.ForegroundColor = ConsoleColor.White

Console.WriteLine("Your password has been set")

Console.ReadKey()

End Sub

Sub MainMenu()

Console.Clear()

Console.ForegroundColor = ConsoleColor.Yellow

Console.WriteLine("=====================================================")

Console.WriteLine("MAIN MENU")

Console.WriteLine("A) Create A Password")

Console.WriteLine("B) Hack The Password")

Console.WriteLine("C) Quit")

Console.WriteLine("=====================================================")

Console.ForegroundColor = ConsoleColor.White

Console.Write("Please Enter your choice : ")

Console.ForegroundColor = ConsoleColor.Red

End Sub

End Module

|  |
| --- |
| Basic Program in Python |

import os

import sys

choice = ''

password =''

dicitonary=''

while True:

os.system("cls")

print('MAIN MENU')

print('A: Create a Password')

print('B: Hack A Password')

print('C: Quit')

print('')

print('Please Enter Your Choice')

choice = input().upper().strip()

if choice == 'A':

print('Please enter your password : ')

password = input().lower().strip()

continue

if choice == 'B':

with open('wordlist.txt') as dictionary:

for word in dictionary:

if password == word.strip():

print(f'You\'ve Been Hacked! Your Password was {word}')

input()

sys.exit(0)

print('Your password has overcome the most basic of hacks!')

input()

if choice == 'C':

sys.exit(0)

|  |
| --- |
| Advanced Program Using Subroutines - Python |

import os

import sys

def mainMenu():

os.system("cls")

print('=====================================================')

print('MAIN MENU')

print('A) Create A Password')

print('B) Hack The Password')

print('C) Quit')

print('=====================================================')

print('Please Enter your choice : ')

def obtainPasword():

print('Please enter your password : ')

password = input().lower().strip()

return password

def hackedMessage():

print('=====================================================')

print(f'YOU\'VE BEEN HACKED! Your Password was {word}')

print('=====================================================')

input()

def youAreSafe():

print('=====================================================')

print(f'You have survived the most basic of hacks!')

print('=====================================================')

input()

while True:

mainMenu()

choice = input().upper().strip()

if choice == 'A':

password = obtainPasword()

continue

if choice == 'B':

with open('wordlist.txt') as dictionary:

for word in dictionary:

if password == word.strip():

print(f'You\'ve Been Hacked! Your Password was {word}')

input()

sys.exit(0)

youAreSafe()

if choice == 'C':

sys.exit(0)