Contents

[Basic Program in C# 1](#_Toc4149097)

[Advanced Program Using Subroutines in C# 1](#_Toc4149098)

[Basic Program in VB.net 3](#_Toc4149099)

[Advanced Program Using Subroutines – VB.Net 3](#_Toc4149100)

[Basic Program in Python 4](#_Toc4149101)

[Advanced Program Using Subroutines - Python 5](#_Toc4149102)

|  |
| --- |
| 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)