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| **Random Password Generator In JavaScript** |
| INTRODUCTION:  **If you find it difficult to think new password every time you make a new account on different websites, then this JavaScript function is for you.**  **It uses the random() function of JavaScript to choose characters of a given length. You can choose your password length and the characters you want to use in your password.**  function generatePassword() {  var length = 8,  charset = "abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ0123456789",  retVal = "";  for (var i = 0, n = charset.length; i < length; ++i) {  retVal += charset.charAt(Math.floor(Math.random() \* n));  }  return retVal;  } | |
| **" Roll The Dice" (PYTHON)** |
| INTRODUCTION:  **Have you ever lost the dice while playing ludo? If Yes, then you can code your own dice using a python random module and impress your siblings.**  import random  min = 1  max = 6  roll\_again = "yes"  while roll\_again == "yes" or roll\_again == "y":  print ("Rolling the dices...")  print ("The values are....")  print (random.randint(min, max))  print (random.randint(min, max))  roll\_again = input("Roll the dices again?") |
| **Find the user and IP address** |
| INTRODUCTION:  **Run this code on any computer to find the IP address and hostname. This program uses the socket module of python.**  import socket  hostname = socket.gethostname()  ip\_address = socket.gethostbyname(hostname)  print(f"Hostname: {hostname}")  print(f"IP Address: {ip\_address}") |
| **Send mails Using Python** |
| INTRODUCTION:  **If you are too lazy to use Gmail, then you can use this code snippet to send e-mails. This program uses smtplib module.**  import smtplib  server = smtplib.SMTP('smtp.gmail.com', 587)  server.login("youremailusername", "password")  msg = "Hello!"  server.sendmail("you@gmail.com", "target@example.com", msg) |
| **Get all links from any website(Python 2)** |
| **INTRODUCTION:**  **This example will get all the links from any website’s HTML code.**  **To find all the links, we will in this example use the urllib2 module together**  **with the re.module**  import urllib2  import re  website = urllib2.urlopen(url)  html = website.read()  links = re.findall('"((http|ftp)s?://.\*?)"', html)  print links |
| **Get a list of all files inside a directory (JAVA)** |
| **INTRODUCTION:**  **The following program demonstrates how to search and get a list of all files under a specified directory by using dir.list() method of File class.**  import java.io.File;  public class Main {  public static void main(String[] argv) throws Exception {  File dir = new File("directoryName");  String[] children = dir.list();  if (children == null) {  System.out.println("does not exist or  is not a directory");  } else {  for (int i = 0; i < children.length; i++) {  String filename = children[i];  System.out.println(filename);  }  }  }  } |
| **Rangoli** |
| INTRODUCTION:  **If you want to teach python to someone, use the turtle module. In this program, we used the turtle module to draw rangoli.**  import turtle  ninja = turtle.Turtle()  ninja.speed(10)  for i in range(180):  ninja.forward(100)  ninja.right(30)  ninja.forward(20)  ninja.left(60)  ninja.forward(50)  ninja.right(30)  ninja.penup()  ninja.setposition(0, 0)  ninja.pendown()  ninja.right(2)  turtle.done()  OUTPUT IN NEXT CELL |
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| **Live Cricket Score** |
| INTRODUCTION:  **Pycricbuzz is a python library that can be used to get live scores, commentary, and a full scorecard for recent and live matches. In this program, we will fetch the live scores of a match using mid(matchid)**  from pycricbuzz import Cricbuzz  import json  def live\_score(mid):  c = Cricbuzz()  lscore = c.livescore(mid)  print(json.dumps(lscore, indent=4, sort\_keys=True))  live\_score() |
| **Tweet using Python** |
| INTRODUCTION:  **This one is a bit tricky but definitely fruitful. In this program, we have used Twitter API to tweet or post something using tweepy module. To get the API key go to https://apps.twitter.com/. This is used to create a link between your script and Twitter. In the “Keys and Access Tokens” tab, get the Consumer Key (API Key), Consumer Secret (API secret), Access Token, and Access Token Secret.**  import tweepy  consumer\_key ="xxxxxxxxxxxxxxxx"  consumer\_secret ="xxxxxxxxxxxxxxxx"  access\_token ="xxxxxxxxxxxxxxxx"  access\_token\_secret ="xxxxxxxxxxxxxxxx"  auth = tweepy.OAuthHandler(consumer\_key, consumer\_secret)  auth.set\_access\_token(access\_token, access\_token\_secret)  api = tweepy.API(auth)  api.update\_status(status ="Hello Everyone !") |
| C++ Program to delete file |
| INTRODUCTION:  **To delete files in C++ programming, you have to ask to the user to enter the file name to delete the file using the function remove().**  **If the file would be deleted successfully, then it (the function remove()) will return 0 otherwise it will not return 0.**  #include<iostream.h>  #include<conio.h>  #include<stdio.h>  void main()  {  clrscr();  int status;  char fname[20];  cout<<"Enter name of file, you want to delete : ";  gets(fname);  status=remove(fname);  if(status==0)  {  cout<<"file "<<fname<<" deleted successfully..!!\n";  }  else  {  cout<<"Unable to delete file "<<fname<<"\n";  perror("Error Message ");  }  getch();  } |
| **C Program to shut down your computer** |
| INTRODUCTION:  **If you want to shut down your computer using your coding skills or want to prank your friends, just run this simple C code and set the timer. By default it will shut down in 30s, but if you want to set a timer use Syntax: "shutdown /s /t x"; where x is the number of seconds after which shutdown will occur.**  #include <stdio.h>  #include <stdlib.h>  int main()  {  system("C:\\WINDOWS\\System32\\shutdown /s");  return 0;  }  (Only for window 7) |
| **Current Location(JavaScript)** |
| INTRODUCTION:  **This code uses geolocation API to get your current coordinates.**  **The getCurrentPosition() method is used to return the user's position.**  **The example below returns the latitude and longitude of the user's position:**  var x = document.getElementById("demo");  function getLocation() {  if (navigator.geolocation) {  navigator.geolocation.getCurrentPosition(showPosition);  } else {  x.innerHTML = "Geolocation is not supported by this browser.";  }  }  function showPosition(position) {  x.innerHTML = "Latitude: " + position.coords.latitude +  "<br>Longitude: " + position.coords.longitude;  }  **DONT FORGET TO EMBED THIS CODE IN HTML's <SCRIPT> TAG** |
| **Make your own YouTube playlist** |
| **INTRODUCTION:**  **Make your own YouTube playlist without using youtube API.**  **Sometimes using and getting APIs are very painful, instead, you can use the <iframe > tag of HTML to put videos on your webpage. You may add any number of videos you want and use them as your personal playlist.**  **Also, Converting videos to different formats can be difficult and time-consuming.**  **An easier solution is to let YouTube play the videos in your web page.**  **<html>**  **<body>**  **<iframe width="420" height="345" src="https://www.youtube.com/embed/tgbNymZ7vqY">**  **</iframe>**  **</body>**  **</html>** |
| **Merge PDFs using Python** |
| INTRODUCTION:  **What if you can write a Python script that can merge 2 or more PDFs for you?**  **In this program, we are merging PDF files into a single document using the Python tool kit – PyPDF2.**  import PyPDF2  pdf1File = open('pdf\_first.pdf', 'rb')  pdf2File = open('pdf\_second.pdf', 'rb')  pdf1Reader = PyPDF2.PdfFileReader(pdf1File)  pdf2Reader = PyPDF2.PdfFileReader(pdf2File)  pdfWriter = PyPDF2.PdfFileWriter()  for pageNum in range(pdf1Reader.numPages):  pageObj = pdf1Reader.getPage(pageNum)  pdfWriter.addPage(pageObj)  for pageNum in range(pdf2Reader.numPages):  pageObj = pdf2Reader.getPage(pageNum)  pdfWriter.addPage(pageObj)  pdfOutputFile = open('MergedFiles.pdf', 'wb')  pdfWriter.write(pdfOutputFile)  pdfOutputFile.close()  pdf1File.close()  pdf2File.close() |
| Moving and Renaming Files Using Java |
| INTRODUCTION:  Do you find managing and updating files manually boring? Now you can automate these boring stuff using java.  In this program, we are moving and renaming the file [x.p](http://x.py/)y to [y.p](http://y.py/)y using Files package.  import java.io.\*;  import java.nio.file.Files;  import java.nio.file.\*;  public class NewClass  {  public static void main(String[] args) throws IOException  {  Path temp = Files.move  (Paths.get("C:\\Users\\arjunn\\Desktop\\x.py"),  Paths.get("C:\\Users\\arjunn\\Desktop\\internship\\y.py"));  if(temp != null)  {  System.out.println("File renamed and moved successfully");  }  else  {  System.out.println("Failed to move the file");  }  }  } |