Top of Form

Bottom of Form

|  |  |
| --- | --- |
|  | #no.1 |
|  | def Segitiga(): |
|  | for i in range(5): |
|  | for j in range(i+1): |
|  | print("\*", end=' ') |
|  | print() |
|  | return(i) |
|  | Segitiga() |
|  |  |
|  | #no.2 |
|  | def persegiEmpat (x,y): |
|  | for i in range (x): |
|  | if i== 0 or i==x-1: |
|  | print ("@"\*y) |
|  | else: |
|  |  |
|  | print ("@"+" "\*(y-2)+"@") |
|  |  |
|  | persegiEmpat(4,5) |
|  |  |
|  |  |
|  | #no.3a |
|  | def jumlahvokal(string): |
|  | vok = 0 |
|  | x = "aiueoAIUEO" |
|  | for car in string.lower(): |
|  | if car in x: |
|  | vok += 1 |
|  | vokal = len(string) |
|  | return(vokal,vok) |
|  |  |
|  | #no.3b |
|  | def jumlahkonsonan(string): |
|  | vok = 0 |
|  | x = "aiueoAIUEO" |
|  | for car in string.lower(): |
|  | if car not in x: |
|  | vok += 1 |
|  | vokal = len(string) |
|  | return(vokal,vok) |
|  |  |
|  | #no.4 |
|  | def rerata(x): |
|  | "Hitung Rata-Rata dari List" |
|  | jml=0 |
|  | banyak=0 |
|  | for angka in x: |
|  | jml+=angka |
|  | banyak+=1 |
|  | return jml/banyak |
|  | print(rerata([1,2,3,4,5])) |
|  | g = [3,4,5,4,3,4,5,2,2,10,11,23] |
|  | rerata(g) |
|  |  |
|  | #no.5 |
|  | from math import sqrt as sq |
|  | def apakahPrima(n): |
|  | n=int(n) |
|  | assert n>=0 |
|  | primakecil=[2, 3, 5, 7, 11] |
|  | bukanprima=[0, 1, 4, 6, 8, 9, 10] |
|  | if n in primakecil: |
|  | return True |
|  | elif n in bukanprima: |
|  | return False |
|  | else: |
|  | for i in range(2,int(sq(n))+1): |
|  | if(n%i==0): |
|  | return False |
|  | return True |
|  | print(apakahPrima(17)) |
|  | print(apakahPrima(97)) |
|  | print(apakahPrima(123)) |
|  |  |
|  | #no.6 |
|  | def BilanganPrima(): |
|  | prima=list() |
|  | for i in range(2,1000): |
|  | a = True |
|  | for angka in prima: |
|  | if(i%angka==0): |
|  | a=False |
|  | break |
|  | if(a): |
|  | print(i) |
|  | prima.append(i) |
|  | BilanganPrima() |
|  |  |
|  | ##no.7 |
|  | def faktorprima(n): |
|  | prima=list() |
|  | for x in range(2,n): |
|  | a = True |
|  | for iter in prima: |
|  | if(x%iter==0): |
|  | a=False |
|  | break |
|  | if a and n%x==0: |
|  | prima.append(x) |
|  | return prima |
|  | print(faktorprima(143)) |
|  | print(faktorprima(10)) |
|  | print(faktorprima(19)) |
|  |  |
|  | ###no.8 |
|  | def apakahTerkandung(a,b): |
|  | return a in b |
|  | print(apakahTerkandung("do","Indonesia tanah air beta")) |
|  | print(apakahTerkandung("pusaka","Indonesia tanah air beta")) |
|  |  |
|  | ##no.9 |
|  | def iterasi(): |
|  | for x in range(1,100): |
|  | if (x%3)!=0 and (x%5)!=0: |
|  | print(x) |
|  | else: |
|  | if (x%15)==0: |
|  | print("pyton UMS") |
|  | elif (x%3)==0: |
|  | print("python") |
|  | elif (x%5)==0: |
|  | print("UMS") |
|  | iterasi() |
|  |  |
|  | ##no.10 |
|  | def selesaikanABC(a,b,c): |
|  | a=float(a) |
|  | b=float(b) |
|  | c=float(c) |
|  | D=(b\*\*2)-(4\*a\*c) |
|  | if D<0: |
|  | return "determinan negatif" |
|  | return "determinan positif" |
|  | print(selesaikanABC(1,2,3)) |
|  |  |
|  | ##no.11 |
|  | def apakahkabisat(x): |
|  | if(x%400==0): |
|  | return True |
|  | if(x%100==0): |
|  | return False |
|  | if(x%4==0): |
|  | return True |
|  | return False |
|  | print(apakahkabisat(100)) |
|  |  |
|  | ##no.12 |
|  | import random |
|  | def permainan(): |
|  | a=random.randrange(0, 100) |
|  | while(True): |
|  | b=int(input("masukan angka: ")) |
|  | if(b>a): |
|  | print("terlalu besar, coba lagi") |
|  | elif(b<a): |
|  | print("terlalu kecil, coba lagi") |
|  | else: |
|  | print("benar") |
|  | break |
|  | permainan() |
|  |  |
|  | ##no.13 |
|  | def katakan(angka): |
|  | satuan = ["satu", "dua", "tiga", "empat", "lima", |
|  | "enam", "tujuh", "delapan", "sembilan", "sepuluh", |
|  | "sebelas", "dua belas", "tiga belas", "empat belas", "lima belas", |
|  | "enam belas", "tujuh belas", "delapan belas", "sembilan belas" |
|  | ] |
|  | angka = '{:0,.0f}'.format(int(angka)) |
|  | angka = angka.split(",") |
|  | katakan = [] |
|  | idx = 1 |
|  | for x in angka[::-1]: |
|  | seribu = False |
|  | if idx == 2 and x[-1]!="0": |
|  | if int(x)< 2 : |
|  | katakan.append("seribu") |
|  | seribu = True |
|  | else: |
|  | katakan.append("ribu") |
|  | if idx == 3 and x[-1]!="0": |
|  | katakan.append("juta") |
|  | if seribu == False: |
|  | if int(x[-2:])<20 and int(x[-2:])>0: |
|  | katakan.append(satuan[int(x[-2:])-1]) |
|  | elif int(x[-2:])>0: |
|  | if int(x[-1])!=0: |
|  | katakan.append(satuan[int(x[-1])-1]) |
|  | if int(x[-2]) != 0: |
|  | katakan.append(satuan[int(x[-2])-1]+" puluh") |
|  | if int(x[0]) > 2 and len(x)==3 : |
|  | katakan.append(satuan[int(x[0])-1]+" ratus") |
|  | elif len(x)==3 and int(x[0])!=0 : |
|  | katakan.append("seratus") |
|  | idx+=1 |
|  | return " ".join(katakan[::-1]) |
|  |  |
|  | print(katakan(3125750)) |
|  |  |
|  | ##no.14 |
|  | def formatRupiah(n): |
|  | x = '{:,}'.format(n).replace(',', '.') |
|  | return "Rp " + x |
|  | print(formatRupiah(300000)) |