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NIM :L200190181

Praktikum Algoritma dan Pemrograman Modul 8

Kegiatan 1

```
File Edit Format Run Options Window Help
X = {"Nama": "Septiana Nugraheny", "NIM": "L200190181", "TTL": "Boyoalali, 14 September 2001", "Agama": "Islam", "Alamat": "Banjarsari Kiringan Boyolali", "JK": "Perempuan",
def Nama():
    print("Nama:", X["Nama"])
def NIM():
    print("NIM:", X["NIM"])
def TTL():
    print("TTL:", X["TTL"])
def Agama():
    print("Agama:", X["Agama"])
def Alamat():
    print("Alamat:", X["Alamat"])
def JK():
    print("JK:", X["JK"])
def Status():
    print("Status:", X["Status"])

Nama()
NIM()
TTL()
Agama()
Alamat()
JK()
Status()

def pilihan():
    print("b menampilkan bantuan ini")
    print("z menampilkan Nama")
    print("y menampilkan NIM")
    print("c menampilkan TTL")
    print("v menampilkan Agama")
    print("s menampilkan Alamat")
    print("n menampilkan JK")
    print("m menampilkan Status")
    print("x keluar")

pilihan()

pilihansaudara = input("pilihan saudara:")
while pilihansaudara != "x":
    if pilihansaudara == "b":
```

```
File Edit Format Run Options Window Help
pilihansaudara = input("pilihan saudara:")
while pilihansaudara != "x":
    if pilihansaudara == "b":
        pilihan()
        print("")
        pilihansaudara = (input("pilihan saudara:"))
    elif pilihansaudara == "z":
        Nama()
        print("")
        pilihansaudara = (input("pilihan saudara:"))
    elif pilihansaudara == "y":
        NIM()
        print("")
        pilihansaudara = (input("pilihan saudara:"))
    elif pilihansaudara == "c":
        TTL()
        print("")
        pilihansaudara = (input("pilihan saudara:"))
    elif pilihansaudara == "v":
        Agama()
        print("")
        pilihansaudara = (input("pilihan saudara:"))
    elif pilihansaudara == "s":
        Alamat()
        print("")
        pilihansaudara = (input("pilihan saudara:"))
    elif pilihansaudara == "n":
        JK()
        print("")
        pilihansaudara = (input("pilihan saudara:"))
    elif pilihansaudara == "m":
        Status()
        print("")
        pilihansaudara = (input("pilihan saudara:"))
    elif F == "x":
        x()
        break
    else:
        print("pilihan tidak tersedia")
        F = input("pilihan saudara:")
```

Hasil dari Kegiatan 1:

```
Python 3.7.0 Shell
File Edit Shell Debug Options Window Help
Python 3.7.0 (v3.7.0:1bf9cc5093, Jun 27 2018, 04:06:47) [MSC v.1914 32 bit (Intel)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: D:/keg 8.1.py =====
Name: Septiana Nugraheny
NIM: L200190181
TTL: Boyoalali,14 September 2001
Agama: Islam
Alamat: Banjarsari Kiringan Boyolali
JK: Perempuan
Status: Mahasiswa
b menampilkan bantuan ini
z menampilkan Nama
y menampilkan NIM
c menampilkan TTL
v menampilkan Agama
s menampilkan Alamat
n menampilkan JK
m menampilkan Status
x keluar
pilihan saudara:z
Name: Septiana Nugraheny

pilihan saudara:y
NIM: L200190181

pilihan saudara:m
Status: Mahasiswa

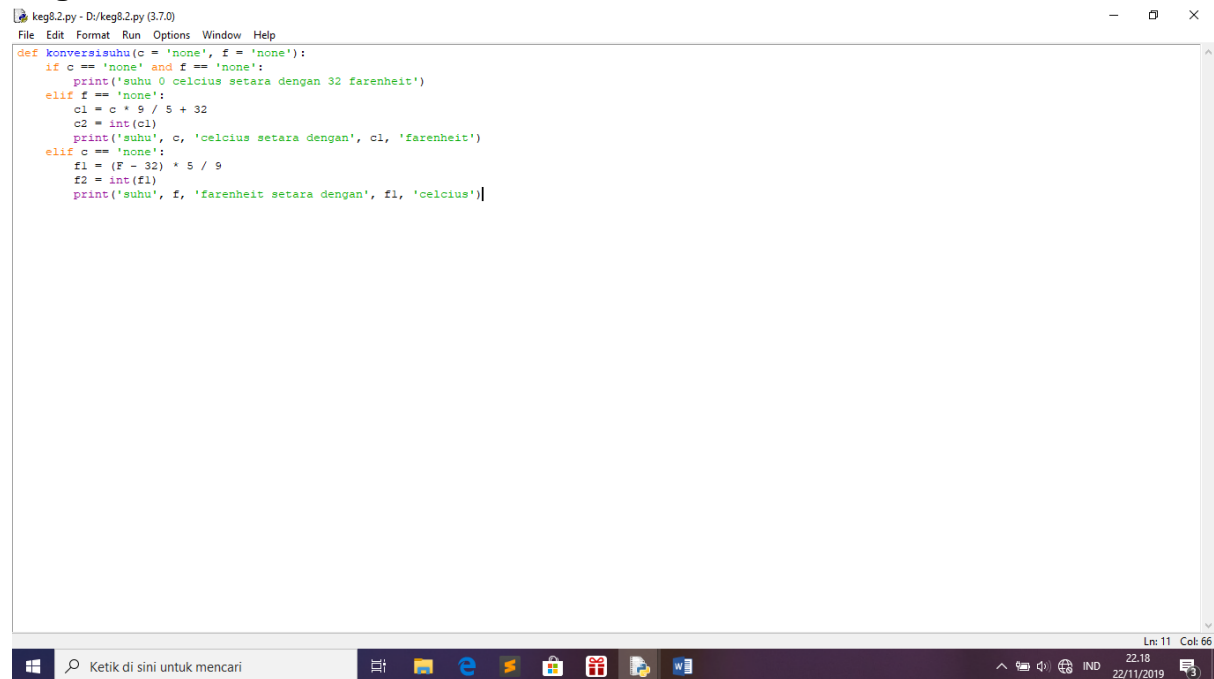
pilihan saudara:x
>>> |
```

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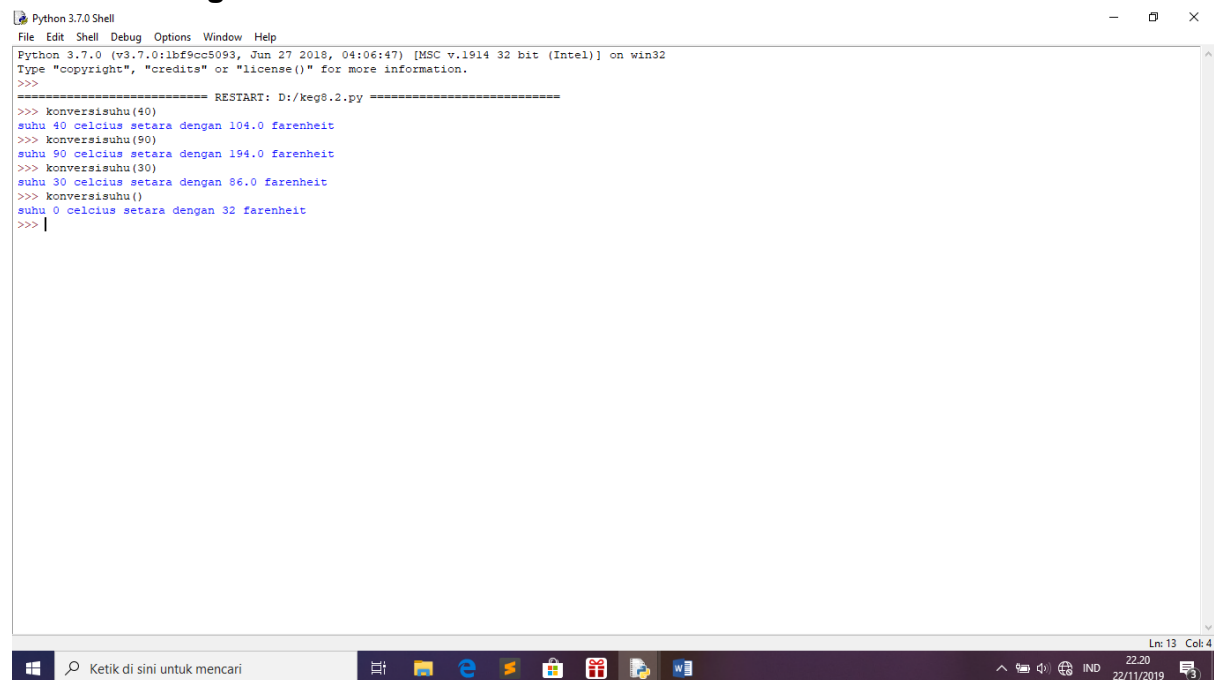
Kegiatan 2



The screenshot shows a Python IDE window titled 'keg8.2.py - D:/keg8.2.py (3.7.0)'. The code defines a function 'konversisuhu' that takes two parameters, 'c' and 'f', both defaulting to 'none'. The function has three main branches: 1) If both 'c' and 'f' are 'none', it prints 'suhu 0 celcius setara dengan 32 fahrenheit'. 2) If 'f' is 'none' and 'c' is a number, it converts 'c' to Fahrenheit using the formula $c1 = c * 9 / 5 + 32$ and prints the result. 3) If 'c' is 'none' and 'f' is a number, it converts 'f' to Celsius using the formula $f1 = (f - 32) * 5 / 9$ and prints the result. The taskbar at the bottom shows the Windows search bar and various application icons.

```
def konversisuhu(c = 'none', f = 'none'):
    if c == 'none' and f == 'none':
        print('suhu 0 celcius setara dengan 32 fahrenheit')
    elif f == 'none':
        c1 = c * 9 / 5 + 32
        c2 = int(c1)
        print('suhu', c, 'celcius setara dengan', c1, 'fahrenheit')
    elif c == 'none':
        f1 = (f - 32) * 5 / 9
        f2 = int(f1)
        print('suhu', f, 'fahrenheit setara dengan', f1, 'celcius')
```

Hasil dari Kegiatan 2:



The screenshot shows a Python 3.7.0 Shell window titled 'Python 3.7.0 Shell'. It displays the output of running the 'konversisuhu' function with various inputs. The output shows the function correctly handling default values, converting Celsius to Fahrenheit, and converting Fahrenheit to Celsius. The taskbar at the bottom shows the Windows search bar and various application icons.

```
>>> konversisuhu(40)
suhu 40 celcius setara dengan 104.0 fahrenheit
>>> konversisuhu(90)
suhu 90 celcius setara dengan 194.0 fahrenheit
>>> konversisuhu(30)
suhu 30 celcius setara dengan 86.0 fahrenheit
>>> konversisuhu()
suhu 0 celcius setara dengan 32 fahrenheit
>>> |
```