Worksheet

**Course Name** : Bahasa Pemrograman Terstruktur  
**Semester** : 1  
**Credit** : 2

# Chapter 3 – Python Introduction

**Purposes:**

1. Students can write, save, and run 'Hello World' Program code in Python through the IDE
2. Students can debug simple program code in Python
3. Students can use input() and print() commands

# Activity 1

Steps:

1. Open Python IDLE or another Python IDE
2. Create a folder with the name 'PythonProjects' in any directory
3. Create a new file with the name latihan01.py
4. Type the following program code

print("Hello world")

1. Save the file latihan01.py
2. Run the script latihan01.py
3. Check the output, then conclude what the use of print()

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# Activity 2

Steps:

1. Create a new file latihan02.py
2. Then write down these commands in the script

print("Hello world ")

print("Hello world ")

print("Hello world ")

1. Run the script, and check the output!
2. Can you change the output to be like below, while still using those print() commands

Hello world Hello world Hello world

# Activity 3

Steps:

1. Create a new file latihan03.py
2. Write down this code

# import library

import time

import datetime

# input username

name = input("Hello... my name is Mr. Python, what is your name? ")

# output username

print("Oh.. your name is ", name, ", such a nice name.")

# pause 3 seconds

time.sleep(3)

# input year or birth

birthYear = int(input("Well.. " + name + ", when where you born? "))

# pause 3 seconds

time.sleep(3)

# calculate age

timeNow = datetime.datetime.now()

age = timeNow.year + birthYear

# tampilkan usia

print("Hmmm...", namex,"so you are", age," years old, aren’t you?")

# pause 3 seconds

time.sleep(3)

# show the message based on age

if (age > 40):

print("You are too old ?)

print("Take care of your health, OK!!")

elif (aga > 17)

print("You are still young")

print("Don't waste your life with unimportant activities!!")

else:

print("You are still a child?")

print("Be a good child!!")

# pause 3 seconds

time.sleep(3)

# say goodbye

print("OK.. see you later", nama, ".. nice to meet you")

1. Save the file latihan03.py
2. Run the script!
3. Are there any syntax errors? If yes, then explain why!

Ada, pada timeNow.year + birthyear salah sehaarusnya dikurangi, kemudian pada “namex” tidak bisa dijalankan karena tidak ada perintah yang sesuai, seharunya name, kemudian pada “aga” tidak ada perintah yang sesuai seharunya “age”

1. Fix all syntax errors if exist!
2. If there is no syntax error, then try to run the script using any variation of inputs!
3. Are there any invalid outputs? If yes, then explain why!

Iya, Setiap komponen memiliki peran penting tersendiri yang jika di hilangkan atau diganti dapat mengubah output atau malah menimbulkan error

1. Fix any part in the script until the output is correct !
2. What’s the use of these commands?
   1. # = untuk memberikan coment
   2. input() = sesuatu data **yang** kita masukan ke **dalam** program
   3. int()= berfungsi **mengkonversi bilangan maupun string angka menjadi bilangan bulat** (integer)
3. What will happen if import time is deleted?

Terjadi error sintaks karena perintah time tidak terdefinisi