



Python Lab Assignment#2

Course Name: Programming II

Course Code: CS 181

Due Date: 18/10/2022

Student Name:

ID No.:

Grade:

QUESTION	Q#1	Q#2	Q#3	Q#4	Total
MARKS	1	1	1	2	5
SCORE					

Objectives:

In this lab assignment, we aim to create programs that allow the manipulation and the test of the following concept:

- **Functions**

Q#1.What does the following code produce as output?

```
age = 45  print ("You have", 65 - age, "years until retirement")
```

1. You have 65 – age years until retirement
2. You have 20 years until retirement
3. You have 65 - 45 years until retirement
4. Indentation Error
5. None of the above

Solution:

Indentation Error

it will give a syntax error

here is the right code

age = 45

print("You have", 65 - age, "years until retirement")

Q#2. What does the following code produce as output?

```
def fun1(name, age=20):  
    print (name, age)  
  
fun ("Kamal",25)
```

1. Kamal 25
2. Kamal 20
3. Indentation Error
4. None of the above

Solution:

Indentation Error

here is the right code

```
def fun1(name, age=20):  
    print (name, age)  
  
fun1("Kamal",25)
```



Q#3. By replacing the calling of the function by **fun1("Kamal", 25)**, what does the following code produce as output?

Solution:

Kamal 25

Q#4. Consider the following code:

```
print("Programming using Python!")  
print("Programming using Python!")  
print("Programming using Python!, dear Amro")  
print("Programming using Python!")  
print("Programming using Python!")  
print("Programming using Python!")  
print("Programming using Python!, dear Zaid")  
print("Programming using Python!")
```

Re-write it using functions.

Solution:

```
for x in range(6):  
    if x == 1:  
        print("Programming using Python!, dear Amro")  
    if x == 5:  
        print("Programming using Python!, dear Zaid")  
    print("Programming using Python!")
```